VALVOLINE EUROPE
PRODUCT CATALOG



Valvoline™

KEEPING THE WORLD MOVING SINCE 1866™



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INTRODUCTION

Dr. John Ellis founded the Valvoline brand in 1866. To free the jammed valves of a large V-shaped steam engine he used his own cylinder oil. He soon registered the name VALVOLINE™ as one of the first trademarked lubricant brands. Today, Valvoline lubricants, chemicals and car care products are manufactured, marketed and sold in more than 140 countries by Ashland Consumer Markets, a commercial unit of Ashland Inc.



PERFORMANCE GUARANTEE

PERFORMANCE IS THE ONLY PROOF OF PRODUCT QUALITY. WITH THE VALVOLINE PERFORMANCE GUARANTEE, VALVOLINE ASSURES THAT ITS PRODUCTS WILL PERFORM.

1. Valvoline warrants that products will meet the applicable specifications provided by Valvoline for each of our products. The wide range of Valvoline products features individual formulations that meet and, in some cases, exceed the latest industry and vehicle OEM specifications.

2. Valvoline only uses the highest quality base oils and the most technologically advanced additive systems to provide our customers with lubricants of unsurpassed quality.

3. Valvoline products are proven to provide added performance, longer life and better protection for your vehicle.

4. Furthermore, Valvoline tests each batch of oil during the blending process. On-site quality assurance coordinators make certain that product specifications are maintained without exception

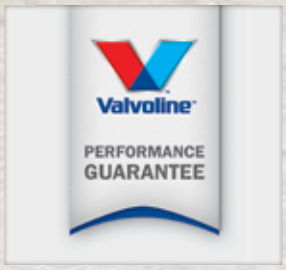
Valvoline™

KEEPING THE WORLD MOVING SINCE 1866™

www.valvolineeurope.com

OUR VALUES

We've built a consistent and strong reputation, based on five core values.
The following passions drive our daily actions.












PREMIUM QUALITY

We insist on developing products that exceed quality standards. That's a Performance Guarantee you may quote us on.

INNOVATION

Innovation is our life blood. We continuously challenge ourselves to help extend engine life, save fuel, increase performance, reduce environmental impact and enhance business success. That drive nurtures the development of leading edge products, services and tools, like NextGen™ and MaxLife™.

AUTHENTICITY

We take pride in our heritage. Being the first marks our history and forms an inspiration for our efforts. We're the specialist, and it shows in our products and in the way we do business.

RELIABILITY

A trusted partner that is always available and seeking ways to offer support. We consider reseller training as much an instrument as our excellent products.

UNDERSTANDING

We know what partners, resellers, and customers want, because we're constantly in touch with them. Our Valvoline Service Centers and other services help them to get it.

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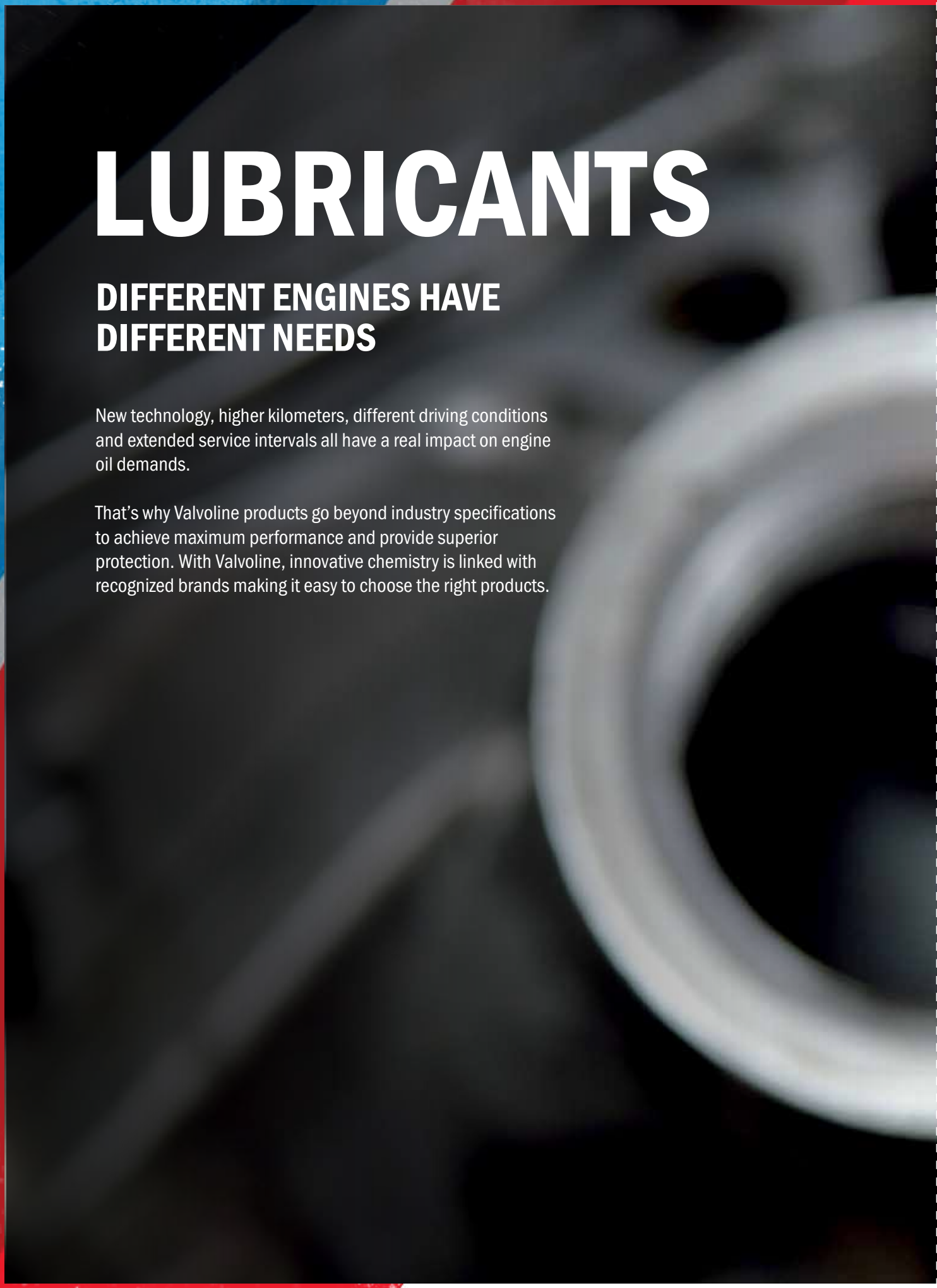
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LUBRICANTS

DIFFERENT ENGINES HAVE DIFFERENT NEEDS

New technology, higher kilometers, different driving conditions and extended service intervals all have a real impact on engine oil demands.

That's why Valvoline products go beyond industry specifications to achieve maximum performance and provide superior protection. With Valvoline, innovative chemistry is linked with recognized brands making it easy to choose the right products.







ENGINE OIL

WHY IS ENGINE OIL IMPORTANT?

The primary function of engine oil is to keep metal from touching metal. An engine contains hundreds of moving parts that must be protected if metal surfaces come in contact, wear occurs and friction will increase dramatically. With friction comes heat, which causes more wear and distorts moving engine parts. The oil in your engine maintains a thin, lubricating film on all metal parts that lets them glide over each other, minimizing friction.

SynPower Xtreme Engine Oils

Delivers ultimate protection and power performance

SynPower Xtreme is the Valvoline premium full synthetic engine oil. Its 'Smart Performance Technology' smartly interacts with critical parts inside the engine and provides ultimate wear protection, even under extreme circumstances. Up to 70% better than industry standards*, in fact. SynPower Xtreme comes in a complete range, covering many of today's passenger cars and light duty vehicles.

It is specially designed for use in Diesel vehicles with Diesel Particulate Filters (DPF) and gasoline engines with Three Way Catalyst systems (TWC). The engine oil has all ACEA and/or API approvals and exceeds the demands set by major OEMs. SynPower Xtreme was developed by Valvoline, and based on experiences and requirements of technicians and top touring car racers in the demanding WTCC competition.

* SynPower Xtreme provides up to 70% improved results in wear protection to vital engine parts, compared to limits of the MB OM 646 Diesel Engine Wear test as specified in ACEA standards. All test results are based on indexed values of the results in the tests.

Benefits SynPower Xtreme Engine Oils

> Ultimate wear protections under the most extreme temperatures and service intervals, which enhances engine and Diesel Particulate Filter (DPF) lifetime
> Unique chemistry reduces fuel consumption and provides enhanced fuel efficiency
> Low SAPS (sulphated ash, phosphorus and sulphur) formulations prevent ash deposits build-up in DPF's and reduce exhaust emissions
> Superior cold start and maximum power output at all temperatures
> Exceed current performance requirements of virtually all leading car manufacturers





SynPower Xtreme XL-III C3 5W-30

> Provides superior protection, extended drain capabilities for latest Volkswagen engines with diesel particle filter (DPF) technology

Performance Levels/Approvals > SynPower Xtreme XL-III C3 5W-30
ACEA C3, Suitable for use in engines where ACEA A3/B4-04 is recommended***. Meets all engine protection requirements of ACEA C2, BMW Longlife-04, MB-Approval 229.51**, Porsche C30, Approved under VW Standard 504.00 / 507.00*.
* Can be used where: VW 501.01, 502.00, 503.01, 505.00, 503.00, 506.00, 506.01 are specified
** MB-229.31 included
*** Except when using diesel fuels with more than 0.5% sulpher.



SynPower Xtreme MST C3 5W-30

> Low-SAPS (sulphated ash, phosphorous and sulphur) formulation prevents deposit build up in DPF and reduces exhaust emission

Performance Levels > SynPower Xtreme MST C3 5W-30
API SN/CF, ACEA C3, Suitable for use in engines where ACEA A3/B4-04 is recommended*. BMW LL-04, MB-Approval 229.51, Approved under VW Standard 502.00 / 505.00. GM Dexos 2 approved. MB-226.5.
* Except when using diesel fuels with more than 0.5% sulpher.

Material Number Table	1L	4L	5L	20L	60L	208L	1000L	BULK
SynPower Xtreme XL-III C3 5W-30	842039	842040	842051	842052	842056	842055	842054	842053
SynPower Xtreme MST C3 5W-30	842036	842037	-	842038	842060	842059	842058	842057

Products change and the most up to date product specifications can be found in the PI sheets on the Valvoline website



SynPower Xtreme MST C3 5W-40

> Low SAP engine oil for the latest petrol and Euro IV and V diesel engines equipped with DPF technology, and/or TWC

Performance Levels/Approvals >
SynPower Xtreme MST C3 5W-40
ACEA C3, suitable for use in engines where ACEA A3/B4-04 is recommended*, API SM, SN/CF, BMW LL-04, MB-Approval 229.51, Ford WSS-M2C917-A, Renault RN0700, RN0710, Approved under VW Standard 502.00, 505.00, 505.01, Porsche A40, Recommended for use where Fiat 9.55535 S2 is specified, GM Dexos 2 approved.
* Except when using diesel fuels with more than 0.5% sulpher



SynPower Xtreme MST C4 5W-30

> Special formulated for passenger cars and vans with exhaust after-treatment systems like EGR, TWC, and DPF Especially suitable for Renault vehicles with Euro V engines and extended service intervals

Performance Levels/Approvals >
SynPower Xtreme MST C4 5W-30
ACEA C4, Renault RN0720, Meets the requirements of some models of Nissan* and Suzuki*. MB-226,51
*Check owner's manual before use.



SynPower Xtreme ENV C1 5W-30

> Specially designed for use as catalyst compatible oil in today's light duty Diesel vehicles with DPF and Gasoline engines with TWC

Performance Levels/Approvals >
SynPower Xtreme ENV C1 5W-30
ACEA C1, Ford WSS-M2C934-B, Meets the requirements of Mazda* and Mitsubishi* where C1 oil is recommended.
*Check owners manual before use.



SynPower Xtreme ENV C2 5W-30

> Low SAPS engine oil, specially designed for use in most modern engines, reduces exhaust emissions and improves fuel efficiency
> Approved by Peugeot-Citroën group. Suitable for use in Honda and Toyota models where an ACEA C2 engine oil is recommended

Performance Levels >
SynPower Xtreme ENV C2 5W-30
API SM, SN/CF, ACEA C2, Suitable for use in engines where ACEA A5/B5-04 is recommended**, PSA B71 2290-2012, Meets requirements of: Citroën*, Honda*, Toyota*. Recommended for use where Fiat9.55535.S1 is specified.
*Check owner's manual before use.
**Except when using diesel fuels with more than 0.5% sulpher.

Material Number Table	1L	4L	5L	20L	60L	208L	1000L	BULK
SynPower Xtreme MST C3 5W-40	842033	–	842034	842035	859974	842072	845803	842071
SynPower Xtreme MST C4 5W-30	841958	–	841959	841960	–	842074	–	842073
SynPower Xtreme ENV C1 5W-30	841953	–	841955	842032	–	842080	–	842079
SynPower Xtreme ENV C2 5W-30	841956	841957	–	842031	856922	842077	842076	842075



SynPower Xtreme ENV C2 SAE 0W-30

- Low SAPS engine oil, specially designed for use in the latest PSA engines, reduces exhaust emissions and improves fuel efficiency.
- Endorsed by the Peugeot-Citroën group, Suitable for use in engine models where an ACEA C1 engine oil SAE 0W-30 is recommended.

Performance Levels/Approvals >
SynPower Xtreme ENV C2 SAE 0W-30
ACEA, C2-12 , suitable for use in engines where ACEA: C1 SAE 0W-30 is specified. PSA B71 2312 for service fill (MA6). Meets requirements of Citroën*
*depends on the model.



SynPowerXtreme B-Tec C3 5W-30

- Low-SAP fully synthetic passenger car motor oil with long-life technology, ultimate protection.
- For latest Mercedes-Benz Blue Tec and other diesel engines equipped with diesel particle filters, and/or three way catalyst technology.

Performance Levels/Approvals >
SynPower Xtreme B-Tec C3 5W-30
API: SN, ACEA: C2-12, C3-12, MB-229.52, MB-229.51, MB-229.31

Material Number Table	1L	5L	20L	208L	BULK
SynPower Xtreme ENV C2 SAE 0W-30	857211	857212	857213	857214	–
SynPower Xtreme B-Tec C3 5W-30	854356	854357	854358	854359	849889

SYNPOWER ENGINE OILS

Delivers superior protection and performance

SynPower engine oils are formulated with fully synthetic base oils and the most advanced additive technology and provides superior performance, exceeding the latest performance standards of leading motor manufacturers. SynPower engine oils are designed to meet the demands of next generation technology engines with reduced fuel consumption, lower emissions and extended maintenance intervals. SynPower engine oils provide the superior in engine protection, even under the most extreme temperatures and conditions.

Benefits SynPower Engine Oils

> Special additives reduce friction for maximum power output
> Provide improved protection for cold starts and at high temperatures
> Minimize sludge and deposits for superior engine cleanliness
> Superior wear protection over extended-drain intervals
> Unique chemistry reduces emissions and fuel consumption
> Exceed current performance requirements of virtually all leading car manufacturers



SynPower FE 0W-30

> For all applications where SAE 0W-30 is recommended with fuel economy properties
> Specifically recommended by Volvo

Performance Levels/Approvals >
SynPower FE 0W-30
ACEA A1/B1, A5/B5, API SL/CF, Volvo recommended.



SynPower FE 5W-20

> Especially developed for the new Ford ultra economic Ecoboost engine line
> Backwards compatible with M2C913-B & C motor oils, as well as M2C925-B
> Added to the Ford Approval oil list

Performance Levels >
SynPower FE 5W-20
API: SN, ACEA A1/B1, Ford WSS-M2C-948-B (petrol engines), Not recommended for Ford models; Ka from Aug. 2008 onwards (petrol) Focus ST (2004 -3th quarter) with 2.5 Duratec ST (VI5) engine. (petrol) Focus RS (2004 -3th quarter) with Duratec RS (VI5) engine. (petrol)



SynPower FE 5W-30

> Reduces formation of sludge and varnish deposits and improves oil-film strength and breakdown resistance
> Gives maximum fuel economy
> Added to the Ford approval oil list

Performance Levels/Approvals >
SynPower FE 5W-30
ACEA A1/B1, ACEA A5/B5, API SL/CF, Ford WSS M2C-913 A, B, C, D, Renault RN0700, Recommended for use where Fiat 9.55535.G1 is specified.

Material Number Table	1L	4L	5L	20L	60L	208L	1000L	BULK
SynPower FE 0W-30	691572	691342	–	691341	–	VE11338	678120	VE11339
SynPower FE 5W-20	839697	–	839696	839695	–	839694	–	839693
SynPower FE 5W-30	732272	–	732273	742839	722698	722699	722697	722089



SynPower 0W-20

> Superior performance in meeting the latest requirements for passenger cars and hybrid cars reducing the fuel consumption and the exhaust emissions

Performance Levels/Approvals >
SynPower 0W-20
API SM, SN, ILSAC GF-5, Ford WSS-M2C930-A, Chrysler MS-6395.



SynPower 0W-40

> Superior protection for modern cars with turbo chargers and catalyst converters
> Suitable for medium long drain oil change intervals
> For cars driving in very cold circumstances, even lower than minus 40°C

Performance Levels/Approvals >
SynPower 0W-40
ACEA A3/B4, API SN/CF, BMW LL-01, MB-Approval 229.5 (Suitable for use where MB 229.3 is specified), Porsche A40, Renault RN0700/0710, VW Standard 502.00/505.00.



SynPower 5W-30

> Superior protection for modern cars with turbo chargers and catalyst converters
> Suitable for long drain oil change intervals

Performance Levels/Approvals >
SynPower 5W-30
ACEA A3/B4, API SL/CF, MB-Approval 229.5, VW Standard 502.00, 505.00, BMW LL-01, LL-A-025, LL-B-025, Recommended for use where Fiat 9.55535.G1 is specified.



SynPower 5W-40

> Superior protection at start-up, even under extreme conditions
> Exceeds latest performance standards of leading car manufacturers
> Suitable for extra long drain intervals

Performance Levels/Approvals >
SynPower 5W-40
ACEA A3/B4, API SM, SN/CF, MB-Approval 229.5, GM LL-B-025, VW Standard 502.00, 505.00, Renault RN 0700, RN 0710, MB-226.5, Porsche A-40, BMW LL-01, Recommended for use where Fiat 9.55535.H2, M2, N2 or Z2 is specified.

Material Number Table	1L	4L	5L	20L	60L	208L	1000L	BULK
SynPower 0W-20	782105	–	–	–	–	782108	793724	–
SynPower 0W-40	VE11220	VE11227	VE11231	–	–	–	–	VE11239
SynPower 5W-30	VE11240	VE11247	–	691250	VE11257	VE11258	VE11255	VE11259
SynPower 5W-40	VE11260	VE11267	VE11271	VE11266	VE11277	VE11278	VE11275	VE11279

MAXLIFE ENGINE OILS

Extends the life of higher mileage engines

The MaxLife range of engine oils are specifically formulated to meet the needs of high-kilometer engines. With special additives such as special seal conditioners and cleaning agents, MaxLife engine oils revitalize critical parts to help engines run for a very long time. Voted product of the year by Lubricants World. MaxLife engine oils provide a perfect solution for aftermarket service as the combined properties help slow the aging process, and maximize the performance and life of high-kilometer vehicles.

Benefits MaxLife Engine Oils

> Reduces oil leaks - Unique conditioners help improve the elasticity of seals reducing oil leaks, oil consumption and deposit formation
> Reduced oil consumption - Advanced additives minimize oil breakdown and burn-off
> Superior wear reduction - Unique friction modifiers and anti-wear additives help prevent future component wear and breakdown
> Reduction of oxidation - Extra detergents and dispersants prevent the formation of harmful varnish and sludge deposits that cause oil to thicken





MaxLife 5W-40

> Full synthetic engine oil
> Enhanced cold start-up protection
> For cars with long-drain intervals

Performance Levels/Approvals >
MaxLife 5W-40
ACEA A3/B4, API SN/CF.
Recommended for use in applications where VW 502.00, 505.00 or MB-229.1 or 229.3 are specified.

Material Number Table	1L	4L	208L	BULK
MaxLife 5W-40	VE18040	VE18047	VE18058	VE90415



MaxLife FE 5W-30

> Synthetic blend engine oil
> Improved fuel efficiency
> Meets Ford's specifications

Performance Levels/Approvals >
MaxLife FE 5W-30
API SL/CF, ACEA A1/B1, A5/B5
Ford M2C913-C, Suitable for use where Ford M2C 913 A & B are specified.



MaxLife 10W-40

> Synthetic blend engine oil
> Helps prevent leakage and oil consumption

Performance Levels/Approvals >
MaxLife 10W-40
ACEA A3/B4, API SM/SN/CF.



MaxLife Diesel 10W-40

> Improved soot control for diesel engines

Performance Levels/Approvals >
MaxLife Diesel 10W-40
ACEA B3/B4, API CF.



MaxLife 15W-40

The first formulation with extra ingredients to extend engine life - Conventional motor oil revitalizes high-kilometer engines, slowing the aging process.

> Combat the 4 major causes of engine breakdown: leaks, deposits, sludge and friction.
> Special seal conditioners help lower -- or even stop -- the high oil consumption of older engines.
> Easy cold starts with an engine kept clean by special chemistry.
> Special seal conditioners and cleaning agents revitalize critical areas in the engine to extend engine life.

Performance Levels/Approvals >
SAE 15W-40
API SM/CF

Material Number Table	1L	4L	5L	20L	60L	208L	1000L	BULK
MaxLife FE 5W-30	VE18060	VE18067	VE18071	VE18066	–	–	–	VE90383
MaxLife 10W-40	706347	706348	706480	VE17906	VE17917	VE17918	714354	VE17919
MaxLife Diesel 10W-40	VE18020	–	VE18031	–	–	–	–	–
MaxLife 15W-40	706349	VE17987	–	–	–	–	–	VE17999

DURABLEND ENGINE OILS

Delivers excellent protection and performance

The superior additive technology used in DuraBlend engine oils offers advantages over other semi-synthetic and mineral engine oils. DuraBlend oil provides improved protection for engines operating under tough conditions that include cold and high temperatures, short journey cycles where full operating temperature is not reached, stop-start city driving with long periods of idling, and long-distance driving at high RPM. DuraBlend oil provides extra durability for a broad range of applications.

Benefits DuraBlend Engine Oils

> Extra synthetic components for added durability
> Enhanced ingredients for tougher conditions
> Improved wear protection for engines operating in severe conditions
> Advanced technology for excellent cleaning
> Reduced friction helps reduce fuel consumption
> Exceeds performance requirements of virtually all the leading car manufacturers





DuraBlend MXL 5W-40

> Meets extended drain performance specified by Mercedes-Benz
> For direct injection diesel engines

Performance Levels/Approvals > DuraBlend MXL 5W-40
ACEA A3/B4, API SN/CF, MB-Approval 229.5, VW Standard 502.00/505.00. Suitable for use where MB-229.3 is specified.

Material Number Table	1L	4L	60L	208L	1000L	BULK
DuraBlend MXL 5W-40	VE11740	VE11747	VE11757	VE11758	VE11755	VE11759



DuraBlend FE 5W-30

> For maximum fuel efficiency
> Meets Ford's specifications

Performance Levels/Approvals >
DuraBlend FE 5W-30
ACEA A1/B1, A5/B5, API SL/CF, Ford M2C913-C, Suitable for use where Ford M2C 913 A & B are specified.



DuraBlend Diesel 5W-40

> For all diesel engines, including unit injector diesel engines (PD)
> Meets VW specifications

Performance Levels/Approvals >
DuraBlend Diesel 5W-40
ACEA B3/B4, API CF, MB-Approval 229.1, Approved under VW Standard 505.00, 505.01, Ford WSS-M2C-917A



DuraBlend 10W-40

> Improved oil film strength and greater resistance to oil breakdown at high temperatures for strong wear protection
> Improved piston cleanliness prevents ring sticking

Performance Levels/Approvals >
DuraBlend 10W-40
A3/B4 ACEA, API SN/CF, MB 229.3, VW 502.00 / 505.00, RN0700/0710, ACEA A3/B4, Recommended for use where Fiat 9.55535.G2 or D2 is specified.



DuraBlend Diesel 10W-40

> Specially developed for turbo-diesel engines of passenger cars and light trucks
> Recommended for direct injection diesel engines

Performance Levels/Approvals >
DuraBlend Diesel 10W-40
ACEA A3/B4, Recommended for use where Fiat 9.55535.G2 or D2 is specified. API CF, VW 505.00, RN0700/0710

Material Number Table	1L	4L	5L	20L	60L	208L	1000L	BULK
DuraBlend FE 5W-30	VE11720	VE11727	VE11731	VE11726	VE11737	VE11738	VE11735	VE11739
DuraBlend Diesel 5W-40	VE12500	–	VE12511	–	VE12517	VE12518	–	VE12519
DuraBlend 10W-40	VE11640	VE11647	VE11651	VE11646	VE11657	VE11658	VE11655	VE11659
DuraBlend Diesel 10W-40	VE12520	–	VE12531	–	–	–	–	–

VR1 RACING ENGINE OILS

Maximum race-level performance and protection

With over 145 years of motor racing innovation and experience, VR1 Racing lubricants are the leading-edge of racing oil technology formulated to increase horsepower and protect high-performance engines during race conditions. VR1 Racing lubricants is the right choice for both road or track, providing the competitive advantage professionals and racing enthusiasts seek.

Benefits VR1 Racing Engine Oils

> Maximum performance and protection at high temperatures
> Superior friction reduction boosts horsepower output
> Extra anti-wear additives (ZDDP) provide ultimate wear protection
> Excellent oil-film strength to improve durability
> Enhanced additives protect against deposits, fuel contamination and ring sticking





VR1 Racing 5W-50

> High quality synthetic motor
> Formulated for ultimate performance in turbo and non-turbo petrol engines of passenger cars race cars
> Extra additives resist extreme operating conditions during rallying and racing

Performance Levels/Approvals >
VR1 Racing 5W-50
ACEA A3/B4, API SM,
Ford M2C-153E, GM 6094 M,
Koenigsegg.

Material Number Table	1L	4L	208L
VR1 Racing 5W-50	VE11900	VE11907	VE11918



VR1 Racing 10W-60

> Premium synthetic blend motor oil
> Formulated for ultimate performance in non-turbo or turbocharged petrol engines, including those using partial alcohol fuels - of passenger cars and competition cars

Performance Levels/Approvals >
VR1 Racing 10W-60
ACEA A3/B4, API SL, Ford M2C-153E, GM 6094 M, Recommended for use where Fiat 9.55535.H3 is specified.



VR1 Racing 20W-50

> Premium mineral competition-proven passenger car motor oil
> Delivers ultimate performance in turbo petrol engines of passenger cars, racing and rally cars

Performance Levels/Approvals >
VR1 Racing 20W-50
ACEA A3/B4, API SL, Ford M2C-153E, GM 6094 M.

Material Number Table	1L	5L	208L	BULK
VR1 Racing 10W-60	VE11920	VE11931	VE11938	VE90210
VR1 Racing 20W-50	VE11940	VE11951	VE11958	VE90212

ALL-CLIMATE ENGINE OILS

Delivers increased engine protection

For passenger cars and light trucks (vans) with petrol and naturally aspirated diesel engines, Valvoline All-Climate engine oils are formulated with enhanced additives to help keep engines clean and provide protection under all driving conditions. The balanced properties provide easy starting and optimum lubrication over a wide range of operating temperatures.

Benefits All-Climate Engine Oils

- Provides thorough anti-wear and corrosion protection
- Keeps the engine clean by protecting against sludge and varnish deposit formation
- Protects against oxidation and provides thermal stability
- For passenger cars and light trucks (vans) with petrol and naturally aspirated diesel engines





All-Climate 15W-40

- High performance engine oil - Uniquely engineered to meet the demands of both turbo-diesel and petrol engines

Performance Levels/Approvals > All-Climate 15W-40
API SL/CF, ACEA A3/B3, MB 229.1. Recommended for use where Fiat 9.55535.D2 is specified. Recommended by Valvoline for use in engines specifying VW 505.00 or VW 501.01

Material Number Table	1L	4L	5L	60L	208L	BULK
All-Climate 15W-40	798410	808937	798408	798406	798405	798404



All-Climate 20W-50

> High performance engine oil - Uniquely engineered to meet the demands of both turbo-diesel and petrol engines

Performance Levels/Approvals >
All-Climate 20W-50
API SL/CF, ACEA A3/B3, MB 229.1. Recommended by Valvoline for use in engines specifying VW 505.00 or VW 501.01



All-Climate Extra 10W-40

> High performance engine oil - Uniquely engineered to meet the demands of both turbo-diesel and petrol engines

Performance Levels/Approvals >
All-Climate Extra 10W-40
ACEA A3/B4, API SM, SN/CF, Renault RN 0700, MB-229.1, Recommended by Valvoline for use in engines specifying VW 505.00 or VW 501.01. Recommended for use where Fiat 9.55535.D2 and G2 is specified.

Material Number Table	1L	4L	5L	20L	60L	208L	1000L	BULK
All-Climate 20W-50	798415	–	798414	–	–	798412	–	798411
All-Climate Extra 10W-40	834153	834152	834150	844932	834431	834147	834146	834145

PROFLEET ENGINE OILS

Superior performance to reduce operating costs

Ultra high performance diesel (UHPD) oils are designed to provide superior lubricant performance for the latest and next generation low-emission diesel engines. The ProFleet range of engine oils is developed to reduce friction in the engine, resulting in improved fuel efficiency. It is also providing outstanding cleanliness in both engines and exhaust aftertreatment systems. This range of engine oils also meet manufacturer's extended-drain requirements, to help lower overall operating costs.

Benefits ProFleet Engine Oils

> Fully synthetic heavy duty engine oils
> Developed with the latest additive technology
> Offering outstanding Total Base Number retention
> Resulting in reduced engine wear
> Excellent high sulfur diesel protection
> Outstanding bio-diesel protection
> Superior cold start protection
> Improved fuel efficiency
> Offering extended drain intervals
> Improving productivity, reducing operating costs





ProFleet LS 5W-30

> Fully synthetic ACEA E6 heavy duty engine oil
> Strong and thin oil film reducing friction in the engine and proven to reduce fuel consumption
> Providing superior Total Base Number (TBN) retention. Outstanding protection against engine wear for a very long period
> Superior protection against bio-diesel effects and high sulfur diesel consequences
> Developed for trucks, buses and off-road engines equipped with EGR, SCR and DPF systems.

Performance Levels/Approvals > ProFleet LS 5W-30
API: CJ-4, ACEA: E6, E7, E9, Cummins CES 20081
Deutz DQC IV-10 LA, MAN 3677, 3477, 3271-1, JASO DH-2, MB-228.51*, MTU type 3.1, Volvo VDS-4, VDS-3, CNG, Renault RXD, RLD-3, RGD, Mack EO-O, EO-N, EO-M (Plus).
Caterpillar ECF-3
*MB-228.31 included

Material Number Table	5L	20L	208L	1000L	BULK
ProFleet LS 5W-30	797173	797172	797004	848268	796747



ProFleet 5W-30

> Fully synthetic ACEA E4 heavy duty engine oil for improved productivity and reduced operating costs
> Strong and thin oil film reducing friction in the engine and proven to reduce fuel consumption
> Providing superior Total Base Number (TBN) retention for outstanding protection against engine wear for a very long period
> Superior protection against bio-diesel effects and high sulfur diesel consequences

Performance Levels/Approvals >
ProFleet 5W-30
ACEA E4, E7, Cummins CES 20077 76, 72, 71, DAF HP1/HP2, Mack EO-M+, Scania LDF, Volvo VDS-3, MAN 3277, Deutz DQC-IV-10, MB 228.5, MTU Type 3, Renault RVI, RXD



ProFleet LS 10W-40

> Fully synthetic low ash ACEA E6 heavy duty engine oil providing extreme engine cleanliness and allowing for extended drain intervals
> Providing superior TBN retention to neutralize harmful acids formed during combustion. Outstanding protection against engine wear for a very long period
> Providing superior protection during start-ups in extreme cold temperatures
> Developed for modern trucks, buses and off-road engines equipped with EGR, SCR and DPF systems.

Performance Levels/Approvals >
ProFleet LS 10W-40
ACEA E6, E7, E9, API CI-4, Deutz DQC IV-10 LA, MAN 3477, 3271-1, MB-Approval 228.51, MTU type 3.1, Renault RXD, RLD/RLD-2 RGD, Volvo VDS-3 CNG, Scania Low Ash, Caterpillar ECF-1-a, Mack EO-N



ProFleet 10W-40

> Fully synthetic ACEA E4 heavy duty engine oil providing extreme engine cleanliness and allowing for extended drain intervals
> Providing superior TBN retention to neutralize harmful acids formed during combustion. Outstanding protection against engine wear for a very long period
> Providing superior protection during start-ups in extreme cold temperatures
> Specially developed and approved to meet the stringent requirements of Scania LDF-3

Performance Levels/Approvals >
ProFleet 10W-40
ACEA E4, E7, E7, API CF, MAN 3277, Volvo VDS-3, MTU Type 3, Scania LDF-2, LDF-3, Renault RLD-2, MB 228.5, Scania Euro 6, Renault RXD, Deutz DQC IV-10, DAF

Material Number Table	5L	20L	208L	1000L	BULK
ProFleet 5W-30	–	614447	VE13938	VE13935	VE90185
ProFleet LS 10W-40	VE13971	VE13976	VE13978	VE13975	VE90186
ProFleet 10W-40	VE13911	VE13906	VE13918	VE13915	VE13919

ALL-FLEET ENGINE OILS

Extra durability for long-drain performance

Developed for a wide range of heavy-duty engines, All-Fleet engine oils combat the higher levels of contamination and soot created in extended–and long-drain operation to maintain advanced levels of engine protection and cleanliness. The All-Fleet range of super high performance diesel (SHPD) engine oils meets required OEM specifications, and helps fleet owners optimize engine life-cycle cost and performance.

Benefits All-Fleet Engine Oils

> Advanced additive technology reduces oil consumption and component wear
> Outstanding protection over long-drain intervals
> Superior soot control and corrosion protection
> The optimum choice when maximizing life-cycle costs
> Compatible with EGR, SCR and DPF systems







All-Fleet Extreme LE 5W-40

> Fully synthetic ACEA E9 / API CJ-4 heavy duty engine oil, compatible with DPF after treatment systems
> Specially designed to perform in extreme winter temperatures
> Fuel efficient engine oil

Performance Levels/Approvals >
All-Fleet Extreme LE 5W-40
API CJ-4/SM, CI-4 Plus, CI-4, SM, ACEA E7, E9, Global DHD-1, JASO DH-2, MAN 3275, MB-228.3, 228.31, MTU Type 1 & 2, Renault RVI RLD-3, Volvo VDS-4, Detroit Diesel 93K218, Mack EO-O Premium Plus, Caterpillar ECF-3

All-Fleet Extreme LE 10W-40

> ACEA E9 / API CJ-4 heavy duty engine oil specially engineered to meet the medium extended drain requirements of the world's leading truck manufacturers.
> The product can be used in Euro 1, 2, 3, 4, 5, and 6* engines with or without Diesel Particle Filter (DPF) and for most engines with Exhaust Gas Recirculation (EGR) and Selective Catalytic Reduction (SCR) after treatment systems.

Performance Levels/Approvals >
All-Fleet Extreme LE 10W-40
ACEA E7, E9, API: CJ-4
Cummins CES 20.076, 20.081
Deutz DQC III-10 LA, DDC 93K218, K215, K214, MAN 3575, MB-228.31
MTU Type 2.1, Volvo VDS-4, Mack EO-O premium plus, Renault RLD-3
Caterpillar ECF-3

Material Number Table	20L	208L	1000L	BULK
All-Fleet Extreme LE 5W-40	–	802221	848301	848345
All-Fleet Extreme LE 10W-40	851886	851885	851884	849701



All-Fleet Superior LE 10W-40

- ACEA E6 heavy duty engine oil made with synthetic technology, providing excellent engine protection and allowing for extended oil drain intervals
- Specially designed for On-Road Euro 5 and Euro 6 and Off-Road Stage 3B/Tier 4 low emission engines with DPF and SCR systems.
- The product can also be used in older engines where ACEA E7 is recommended.

Performance Levels/Approvals >
All-Fleet Superior LE 10W-40
ACEA E6, E7, MB 228.51, MAN M-3477, VOLVO VDS-3



All-Fleet Superior 10W-40

- ACEA E4 heavy duty engine oil made with synthetic technology, providing excellent engine protection and allowing for extended oil drain intervals
- Suitable for trucks and off-road engines without DPF, allowing for full SAPS engine oil
- The strong additive technology is providing excellent cold start protection and is keeping the engine clean over a long period
- Compatible with EGR and SCR systems

Performance Levels/Approvals >
All-Fleet Superior 10W-40
ACEA E4, MAN 3277, MB 228.5, MTU Type 3



All-Fleet Extreme 10W-40

- ACEA E7 heavy duty engine oil providing improved thermal and oxidation stability
- Fulfills the requirements of Euro 3, 4 and some Euro 5 trucks and off-road engines without DPF, allowing for full SAPS engine oil. Always consult OEM manual.
- Easy start ups under very cold conditions
- Compatible with EGR and SCR systems

Performance Levels/Approvals >
All-Fleet Extreme 10W-40
ACEA E7, E5, E2, API CI-4, CH-4, CG-4, MAN 3275 MB 228.3, Volvo VDS-3, Renault RLD/RLD-2, Cummins CES, 20076/77/78, Mack EO-N, EO-M Plus, MTU Type 2, Caterpillar ECF-2, ECF-1-a, Deutz DQC III-10, Global DHD-1



All-Fleet Extra LE 15W-40

- ACEA E9/API CJ-4 heavy duty engine oil providing excellent engine protection and allowing for extended oil drain intervals
- Specially designed for On-Road Euro 4, 5 and Euro 6 standards and Off-Road Stage 3B/Tier 4 low emission engines with DPF and SCR systems. Always consult OEM manual.
- The product can also be used in older engines where ACEA E7 is recommended.

Performance Levels/Approvals >
All-Fleet Extra LE 15W-40
ACEA E7, E9, API CJ-4, CI-4, CH-4, CG-4, CF-4, Cummins CES 20081, MB 228.31, Volvo VDS-4, VDS-3, MAN 3275, MTU 2.1, Mack EO-0 premium plus, Caterpillar ECF-3, Renault RLD-3

Material Number Table	5L	20L	60L	208L	1000L	BULK
All-Fleet Superior LE 10W-40	–	824907	–	824906	824908	825007
All-Fleet Superior 10W-40	–	807011	–	806950	848269	806587
All-Fleet Extreme 10W-40	606078	VE13766	VE13777	VE13778	VE13775	VE13779
All-Fleet Extra LE 15W-40	781679	703678	–	707479	842871	692639



All-Fleet Extra 15W-40

- ACEA E7 heavy duty engine oil developed for maximized engine durability
- Fulfills the requirements of Euro 3 and 4 trucks and off-road engines without DPF, allowing for full SAPS engine oil
- Compatible with EGR and SCR systems

Performance Levels/Approvals >
All-Fleet Extra 15W-40
ACEA E7, E5, E3, API CI-4, CH-4, CG-4, Cummins CES 20076/77/78, Deutz DQC III-10
MAN M 3275-1, MB-228.3, MTU Type 2, Volvo VDS-3, Renault RLD/RLD-2, Mack EO-N, EO-M Plus, Caterpillar ECF-2, ECF-1-a, Global DHD-1



All-Fleet 15W-40

- High performance universal mixed fleet oil, recommended for gasoline, LPG and diesel engines.
- Specially engineered to provide extra protection for vehicles operating under severe service demands of mixed fleets.
- Providing excellent soot dispersancy and piston deposit control to keep engines cleaner.
- Also recommended for off-road vehicles, light commercial vehicles, vans, passenger cars and pleasure boats.

Performance Levels/Approvals >
All-Fleet 15W-40
ACEA A2, B3, E2, API CF, CF-4, CG-4, SJ, MB-approval 228.1, 229.1, VW 505.00, MAN 271, Volvo VDS, Mack EO-L Plus, MTU Type 1



All-Fleet 20W-50

- High performance universal mixed fleet oil, recommended for gasoline, LPG and diesel engines where 20W-50 is preferred
- Specially engineered to provide extra protection for vehicles operating under severe service demands of mixed fleets.
- Also recommended for off-road vehicles, light commercial vehicles, vans, passenger cars and pleasure boats.

Performance Levels/Approvals >
All-Fleet 20W-50
ACEA A2, B2, E2, API CF, CF-4, CG-4 , MB-approval 228.1, MAN 271

Material Number Table	5L	20L	60L	208L	1000L	BULK
All-Fleet Extra 15W-40	VE13711	VE13706	VE13717	VE13718	VE13715	VE13719
All-Fleet 15W-40	VE12671	VE12666	VE12677	VE12678	VE12675	VE12679
All-Fleet 20W-50	–	VE12705	–	VE12718	–	VE12719

GAS ENGINE OIL



All-Fleet GEO LA-40

> A low ash engine oil formulated with premium quality paraffinic basestocks and additive components to provide outstanding lubrication of gaseous fueled engines.

> It is formulated to meet the requirements natural gas engines of Dresser-Rand Category III, Caterpillar natural gas engines, and Waukesha Co-Generation requirements.

Performance Levels/Approvals >
All-Fleet GEO LA-40
API CD, Caterpillar, Cummins QSV 81/91 series, Cummins QSK 45G, 60G, 81G, 91G, Deutz TR 0199-99-2105 group D, Dresser-Rand, Waukesha

GAS ENGINE OIL



Valvoline GEO Plus LA-40

> Formulated with premium quality base oils and a high-performance additive system to provide outstanding lubrication of gaseous-fueled engines.

> The low ash content of the oil is minimized to reduce sparkplug fouling and forming of combustion chamber “hot-spots” that can lead to increased nitrogen oxides (NOx) formation and detonationfrequent stop-and-go driving

Performance Levels/Approvals >
Valvoline GEO Plus LA-40
GE Jenbacher type 2, 3, 4 and 6

Material Number Table	208L	1000L	BULK
All-Fleet GEO LA-40	836712	861617	861935
Valvoline GEO Plus LA-40	833832	833831	833610

VALVOLINE HD ENGINE OILS

Proven performance for heavy-duty applications

Valvoline's HD engine oil range provides unrivalled value across a variety of commercial vehicle and off-highway applications. Valvoline HD engine oils are mineral based, with advanced additive technology and backed by millions of kilometers of proven performance in combatting sludge build-up and component wear to give high-quality performance at an economical operating cost.

Benefits Valvoline HD Mono-Grade Engine Oils

- Unrivalled value and protection for mixed-fleet applications
- Advanced chemistry reduces friction and engine component wear
- Additive technology prevents black sludge and maintains engine cleanliness
- Suitable for on-road and off-highway applications
- Recommended for use in high- and low-speed, four-stroke diesel engines
- Suitable for industrial engines







Valvoline HD 10W

- A premium quality, heavy-duty motor oil, for use in gasoline and diesel engines where the engine manufacturer recommends a single grade motor oil
- Specially engineered for use in service fleets where it helps prevent formation of sludge caused by frequent stop-and-go driving

Performance Levels/Approvals > Valvoline HD 10W
API CF-4/SG, Caterpillar TO-2

Valvoline HD 30

- A premium quality, heavy-duty motor oil, for use in gasoline and diesel engines where the engine manufacturer recommends a single grade motor oil
- Specially engineered for use in service fleets where it helps prevent formation of sludge caused by frequent stop-and-go driving

Performance Levels/Approvals > Valvoline HD 30
API CF-4/SG, Caterpillar TO-2, MAN 270

Material Number Table	20L	208L	1000L	BULK
HD 10W	VE12606	608865	VE12615	VE90188
HD 30W	VE12726	VE12738		VE12739

PREMIUM BLUE DIESEL ENGINE OILS

THE ONLY ONE endorsed en recommended by Cummins

Premium Blue is THE ONLY ONE oil allowed as first fill on Cummins assembly lines. The advanced technology of the Premium Blue portfolio, jointly developed by Cummins and Valvoline, contains a proprietary combination of state-of-the-art additives designed specifically to meet the needs and performance levels of today's advanced engines. By combining the innovation and proven performance of premium Valvoline lubricants with Cummins' unparalleled expertise in diesel engines, we have taken engine design and lubricant technology to new performance levels. Our partnership continues to create high-performance products such as Premium Blue engine oils, which are designed for extended engine life and increased protection in all heavy duty applications.

Benefits Premium Blue Engine Oils

> Premium Blue engine oil is exclusively recommended and endorsed by Cummins Inc.
> Designed to provide advanced lubricant performance in modern, low-emissions diesel engines, including those with cooled EGR and DPF systems
> It is a higher total base number (TBN) product designed for the latest diesel engine spcification from API, ACEA, and OEMs (including Cummins).
> The advanced technology of Premium Blue oil offers a long-life, extended-drain capability through a balanced formulation that helps maximize engine durability.





Premium Blue Extreme 5W-40

> Fully synthetic and fuel efficient ACEA E9/API CJ-4 heavy duty engine oil improving productivity and reducing operating costs
> Proven to handle the most extreme temperatures. Providing excellent startability in artic cold conditions and protecting against thermal breakdowns in desert heat
> Recommend for use in modern trucks, buses and off-road engines with DPF systems that specifies a 5W-40 ACEA E9 or API CJ-4 engine oil.
> Has proven to provide significant fuel savings for heavy duty truck fleets

Performance Levels/Approvals >
Premium Blue Extreme 5W-40
ACEA E9, E7, API CJ-4, CI-4 plus, CI-4, CH-4, SM, Cummins CES 20081, Mack EO-O Premium Plus, Volvo VDS-4, Detroit Diesel 93K218, Renault RVI RLD-3, Caterpillar ECF-3, MTU Type 1&2, MAN 3275, MB-Approval 228.3 and 228.31, JASO DH-2, Global DHD-1.

Material Number Table	20L	208L	1000L	BULK
Premium Blue Extreme 5W-40	703679	VE17778	VE17775	745241



Premium Blue Superior 10W-40

- ACEA E9/API CJ-4 heavy duty engine oil developed with synthetic technology
- Specially designed to perform in harsh winter conditions. Offering one of the lowest pour points to be found on the market and still lubricating engines to as low as -40C
- Developed to provide extreme good TBN retention to prevent against soot related engine wear and allowing for extended drain intervals
- Compatible with EGR, SCR and DPF systems

Performance Levels/Approvals > Premium Blue Superior 10W-40
API CJ-4/SN, ACEA E9, E7, Cummins CES 20081, 20076, Caterpillar ECF-2, ECF-3, Deutz DQC-III-10 LA, Detroit Diesel 93K218, K215, K214, MAN 3575, MB-228.31, MTU 2.1, Renault RLD-3, Mack EO-O Premium Plus, EO-M Plus, Volvo VDS-4



Premium Blue Extra 15W-40

- ACEA E9/API CJ-4 heavy duty engine oil
- Exceptional control of soot related oil thickening and high temperature deposit formation
- Especially developed, approved and endorsed by Cummins against CES 20081
- Suitable for use in EGR, DPF and other modern diesel engine technologies
- Fulfills the requirements of the latest emission standards

Performance Levels/Approvals > Premium Blue Extra 15W-40
ACEA E7, E9, API CJ-4, CI-4, CH-4, CG-4, CF-4, Cummins CES 20081, MAN 3575, MB-228.31, MTU 2.1, Renault RLD-3, Mack EO-O Premium Plus, Volvo VDS-3, VDS-4, Caterpillar ECF-3. Deutz DQC-III 10 LA, Meets engine performance requirements of JASO DH-2



Premium Blue 15W-40

- ACEA E7/API CI-4 heavy duty engine oil
- Enhanced protection and performance for long-life performance
- Uniquely developed and tested in Cummins engines
- Approved and endorsed by Cummins against CES 20076/77/78
- Recommended for use in SCR and EGR

Performance Levels/Approvals > Premium Blue 15W-40
ACEA E7, E5, E3, A3, B3, B4, API CI-4, CF/SL, CH-4, CG-4, CF-4, Cummins CES 20076/77/78, Mack EO-M+, Global DHD-1, Renault RVI RLD/RLD-2, MTU Type 2, Caterpillar ECF-2, 1-a, MB-Approval MB 228.3, Volvo VDS-3, MAN 3275, ZF-TE-ML-07C.

Material Number Table	5L	20L	208L	1000L	BULK
Premium Blue Superior 10W-40	842840	842839	842838	–	842837
Premium Blue Extra 15W-40	–	781980	782071	848267	792669
Premium Blue 15W-40	VE17711	VE17706	VE17718	VE17715	VE17719

Premium Blue Natural Gas Engine Oils

Premium Blue Gas Engine Oils (GEO) are exclusively designed for dedicated gas engines. These products are suitable for gas engines where Cummins allows the use of engine oils with a sulphated ash content of < 1% wt.

Benefits Premium Blue Natural Gas Engine Oils

> Valvoline Premium Blue Gas Engine Oils keep the engine clean and protect against corrosion and wear, resulting in reduced maintenance and a longer engine life.
> These high performing Gas Engine Oils provide exceptional acid neutralization and resist oxidation and nitration which helps to prevent oil thickening.
> Premium Blue GEO 15W-40 is recommended for use in urban buses, delivery trucks and other service fleets.
> Premium Blue GEO LA-40 and MA-40 are specially designed for stationary high horse power engines.



Premium Blue GEO 15W-40

> Suitable for heavy duty vehicles fueled by CNG, LNG or Propane
> Formulated with premium quality paraffinic base stocks and additive components
> Has the ability to neutralize acids and resist oxidation and nitration which helps to prevent oil thickening.
> Outstanding lubrication of gaseous-fueled engines
> Specially developed with, approved and endorsed by Cummins against CES 20074

Performance Levels/Approvals >
Premium Blue GEO 15W-40
API CD, Cummins CES 20074, Recommended for use in Caterpillar, Detroit Diesel, John Deere.



Premium Blue GEO-LA 40

> Recommended for use in stationary high output, highly turbocharged, spark ignited natural gas engines
> Formulated with premium quality paraffinic base stocks and additive components
> Outstanding lubrication of gaseous-fueled engines
> Specially developed with, approved and endorsed by Cummins against CES 20074

Performance Levels/Approvals >
Premium Blue GEO-LA 40
API CD, Cummins QSV 81/91 series, Cummins QSK 45G, 60G, 81G, 91G, Caterpillar, Deutz TR 0199-99-2105 group D, Dresser-Rand, Waukesha.



Premium Blue GEO-MA 40

> Mid-ash motor oil for stationary engines running on gases that may contain corrosive components
> High quality mineral motor oil with an advanced additive system for longer engine life
> Advanced additives prevent oil thickening and promote longer engine life
> High resistance against oxidation and nitration

Performance Levels/Approvals >
Premium Blue GEO-MA 40
API CF, Cummins QSK 60G.

Material Number Table	20L	208L	1000L	BULK
Premium Blue GEO 15W-40	750584	750585	811518	750523
Premium Blue GEO-LA 40	–	VE17758	790310	VE17759
Premium Blue GEO-MA 40		844938	852504	–

TWO-STROKE MOTOR CYCLE OILS

Added performance for high-powered engines

Two-stroke (2T) motorcycle oils are designed to reduce smoke and provide superior protection under the most severe conditions. Using premium base oils and state-of-the-art additive technology, Valvoline 2T stroke motorcycle oils provide excellent protection against wear and corrosion, and can be used in motorcycles, go-karts and all other two-stroke engines.

Benefits Two-Stroke Motor Cycle Oils

> Specially designed motor oil for 2 two-stroke motorcycles





SynPower 2T

> Ultimate performance full synthetic, low-smoke engine oil for all two-stroke motorcycle engines
> Provides exceptional oil-film strength to protects against wear and corrosion
> Pre-diluted for easier mixing and may be used for both injector and pre-mix applications
> Can be used with fuel/oil ratios as specified by the engine manufacturer up to a maximum of 100:1

Performance Levels/Approvals >
SynPower 2T
API TC, JASO FD, ISO L-EGD.

Material Number Table	1L	BULK
SynPower 2T	862065	VE90251



DuraBlend 2T

- High performance semi synthetic low smoke motor oil for all two-stroke motorcycle engines
- Provides optimum performance, helps keep the engine clean and prevents scuffing and ring sticking
- Can be used with fuel/oil ratios as specified by the engine manufacturer up to a maximum of 100:1

Performance Levels/Approvals >
DuraBlend 2T
API TC, JASO FD, ISO L-EGD.



DuraBlend Scooter 2T

- High performance semi-synthetic low smoke engine oil for all two-stroke scooter engines
- Provides optimum performance to keep the engine clean and prevent scuffing and ring sticking
- Pre-diluted for easier mixing and may be used for both injector and pre mix applications
- Can be used with fuel/oil ratios as specified by the engine manufacturer up to a maximum of 100:1

Performance Levels/Approvals >
DuraBlend Scooter 2T
API TC, JASO FD, ISO L-EGD.

Material Number Table	1L	BULK
DuraBlend 2T	862010	VE14119
DuraBlend Scooter 2T	862064	VE14719

FOUR-STROKE MOTOR CYCLE OILS

Added performance for high-powered engines

For excellent protection in the severest conditions, Valvoline four-stroke (4T) motorcycle oils use specially selected base oils for a quick cold start, plus optimal protection and lubrication across a wide temperature range. They also are wet-clutch compatible.

Benefits Four-Stroke Motor Cycle Oils

> Specially designed motor oil for four-stroke motorcycles





SynPower 4T 10W-40

> Ultimate performance fully synthetic engine oil for all four-stroke motorcycle engines
> Optimised wet-clutch performance, recommended for Japanese and other motorcycles where API SG or JASO MA fluids are specified
> Provides excellent high and low temperature wear protection under extreme operational conditions

Performance Levels/Approvals >
SynPower 4T 10W-40
API SN, JASO T903-MA2.

Material Number Table	1L	4L	208L	BULK
SynPower 4T 10W-40	862066	VE14007	VE14018	VE14019



SynPower 4T 10W-50

- Ultimate performance fully synthetic engine oil for all four-stroke motorcycle engines
- Optimised wet-clutch performance, recommended for Japanese and other motorcycles where API SN or JASO MA fluids are specified
- Provides excellent high and low temperature wear protection under extreme operational conditions
- This product is specially formulated to exceed the requirements of leading manufacturers

Performance Levels/Approvals >
SynPower 4T 10W-50
API SN, JASO MA-2.



SynPower 4T 10W-30

- Ultimate performance full synthetic engine oil for four-stroke motorcycle engines
- Optimised wet-clutch performance
- Fully complies with the latest JASO specifications
- Provides excellent high and low temperature wear protection under all riding conditions

Performance Levels/Approvals >
SynPower Scooter 4T 10W-30
API SN, JASO T903-MA2



SynPower 4T 5W-40

- Ultimate performance fully synthetic engine oil for all four-stroke motorcycle and scooter engines
- The product is recommended for motorcycles and scooters requiring a high performance 5W-40 viscosity lubricant
- Provides excellent high and low temperature performance for rapid throttle and engine response
- This product is specially formulated to exceed the requirements of leading manufacturers

Performance Levels/Approvals >
SynPower Scooter 4T 5W-40
API SN, JASO T903-MA2.

Material Number Table	1L	4L	60L	208L	BULK
SynPower 4T 10W-50	862067	796017	796016	796015	795883
Synpower 4T 10W-30	861911	861870	–	–	–
SynPower 4T 5W-40	862060	–	–	–	VE90252



DuraBlend 4T 10W-40

- High-performance semi synthetic engine oil for all four-stroke motorcycle engines
- Optimised wet-clutch frictional performance
- Recommended for Japanese and other motorcycles where an API SL or JASO MA fluid is specified
- Excellent engine and performance and protection under demanding operational conditions

Performance Levels/Approvals >
DuraBlend 4T 10W-40
API SL, JASO MA.



DuraBlend 4T 20W-50

- High-performance semi synthetic engine oil for four-stroke motorcycle engines
- Optimised wet-clutch frictional performance
- Recommended for Japanese, American and other motorcycles where an API SL or JASO MA fluid is specified
- Optimised high temperature viscosity and wear protection performance in air cooled V-twin engine applications

Performance Levels/Approvals >
DuraBlend 4T 20W-50
API SL, JASO MA.

Material Number Table	1L	4L	60L	208L	BULK
DuraBlend 4T 10W-40	862061	VE14207	VE14217	VE14218	VE14219

Material Number Table	1L	208L	BULK
DuraBlend 4T 20W-50	862063	732928	VE90250

MOTORCYCLE FORK OILS

Excellent protection, superior performance

Premium fully synthetic fork oil for Motorcycles, Scooters, Mopeds, Quads etc.

Benefits Motorcycle Fork Oils

> Smooth fork action
> Optimum damping
> Consistent fork operation over a wide temperature range
> Excellent seal compatibility
> Suitable for a wide range of vehicles
> Protects against wear, corrosion and oxidation





SynPower Fork Oil 5W

> A light grade synthetic motorcycle suspension oil formulated to provide smooth fork action and optimum damping under the most demanding riding conditions including off road applications
> Exceptional viscometric performance provides smooth operational characteristics across and extended operational range
> Protects the suspension system against wear, corrosion and oxidation and has an excellent seal compatibility to extend seal life

Performance Levels/Approvals >
SynPower Fork Oil 5W
Suitable for all motorcycle suspension systems where an SAE 5W is recommended.

Material Number Table	1L
SynPower Fork Oil 5W	795859



SynPower Fork Oil 10W

- A medium grade synthetic motorcycle suspension oil formulated to provide smooth fork action and optimum damping under the most demanding riding conditions including off road applications
- Exceptional viscometric performance provides smooth operational characteristics across and extended operational range
- Protects the suspension system against wear, corrosion and oxidation and has an excellent seal compatibility to extend seal life

Performance Levels/Approvals >
SynPower Fork Oil 10W
Suitable for all motorcycle suspension systems where an SAE 10W is recommended.



SynPower Fork Oil 15W

- A heavier grade synthetic motorcycle suspension oil formulated to provide smooth fork action and optimum damping under the most demanding riding conditions including off road applications
- Exceptional viscometric performance provides smooth operational characteristics across and extended operational range
- Protects the suspension system against wear, corrosion and oxidation and has an excellent seal compatibility to extend seal life

Performance Levels/Approvals >
SynPower Fork Oil 15W
Suitable for all motorcycle suspension systems where an SAE 15W is recommended.

Material Number Table	1L
SynPower Fork Oil 10W	795860
SynPower Fork Oil 15W	795881

MOTORCYCLE GEAR OILS

Excellent protection, superior performance

DuraBlend gear oils are specifically designed to provide boosted protection and high-performance, at both high and low-temperatures. DuraBlend oils are formulated with a unique blend of synthetic and premium base oils with an advanced additive system to provide superior extreme-pressure benefits and extra durability for tough driving conditions.

Benefits Motorcycle Gear Oils

> The carefully selected base oils and additives enable the product to give a very good anti-oxidation and anti-corrosion performance.
> Engine cleanliness: Keeps the gearbox clean and in good condition





Material Number Table	1L
DuraBlend Gear Oil 80W	792208

DuraBlend Gear Oil 80W

> A synthetic based gear oil for motorcycles with non-integral wet clutch systems
> Excellent gearbox protection against wear and corrosion
> Provides smooth gear-shifting without sticking or slipping clutch plates

Performance Levels/Approvals >
DuraBlend Gear Oil 80W
API: SG, JASO: MA.



SPECIALTY

BEING THE FIRST IS IN OUR NATURE

Innovation is our life blood. We continuously challenge ourselves to help extend engine life, save fuel, increase performance, reduce environmental impact and enhance business success. That drive nurtures the development of leading edge products, services and tools, like NextGen and Engine Armour.

NEXTGEN ENGINE OILS

A revolutionary, environmentally responsible engine oil

It is 50% recycled oil and 100% protection. NextGen exceeds all industry specifications for performance, protection and durability. It requires less energy and resources to make.

Please visit the following website: nextgen.valvolineeurope.com



NextGen 10W-40

The first premium motor oil formulated with 50% advanced recycled oil which delivers 100% protection. Breakthrough formula cuts fossil fuel use, lowers emissions and reduces environmental impact versus motor oil manufactured without recycled content. NextGen is a premium quality motor oil for use in passenger cars and vans. NextGen not only protects today's engines against undesirable deposits, contamination, viscosity and thermal breakdown under severe service conditions but also helps minimize environmental impact.

- The manufacture of recycled base oils produces less greenhouse and toxic emissions, consumes less energy and reduces the demand for crude oil
- Excellent deposit, wear, cold start and high temperature protection
- Keeps its protective oil film during the whole refreshment period and maintains viscosity grade rating
- Maximizes engine durability
- Oil flows easily at low temperatures, reducing wear at start-up
- Fights formation of sludge and varnish deposits that reduce engine life

Performance Levels/Approvals >
NextGen 10W-40
ACEA A3/B4, API: SL/CF, MB-229.1, VW 501.01/505.00.



All-Fleet Extra NextGen Engine Oil 15W- 40

All-Fleet Extra Nextgen engine oil is an innovative product formulated with 50% premium quality recycled base oil. By reducing the consumption of natural resources, it is recognized as environmentally responsible oil. It is SHPD engine oil for use in heavy-duty, turbo-charged industrial and truck-engines. This oil is specially engineered to meet the long drain requirements of the world's leading truck manufacturers and contains a special additive system to keep the engine clean, prevent ring sticking and wear, and maintain maximum output longer. The manufacture of recycled base oils produces less greenhouse and toxic emissions, consumes less energy and reduces the demand for crude oil.

- Environmentally responsible product
- Formulated with 50% high quality recycled oil. These Recycled base oils are rerefined with advanced technology and meet Valvoline quality standards
- Suitable for EGR and SRC exhaust after treatment systems
- Fulfils the requirements of the EU Euro V emission standards for truck engines (without DPF)
- Suitable for middle long-drain oil refreshment periods

Performance Levels/Approvals >
All-Fleet Extra Nextgen Engine oil 15W- 40
ACEA E7, E5, E3, API CI-4, CH-4, CG-4, API CF-4, Cummins CES 20076/77/78, MB-228.3, Volvo VDS-3, MAN 3275, Mack EO-M (plus), MTU Type 2, Global DHD-1, Renault RVI, RLD-2.

Material Number Table	20L	208L	1000L	BULK
NextGen 10W-40	801217	801216	–	799285
All-Fleet Extra NextGen Engine Oil 15W-40	790427	790856	848270	792661



DRIVELINE LUBRICANTS

HIGHER PERFORMANCE MEANS HIGHER DEMANDS

Today's gearboxes and transmissions are designed to perform at higher levels than ever before. This, in turn, demands that high-quality and increasingly complex driveline lubricants must be used. Valvoline gear oils have been developed following many years of research, development, and field experience. The result is a range of oils that are designed to meet the extreme performance demands of today's gearboxes and transmissions.

SYNPOWER DRIVELINE LUBRICANTS

Added performance for latest gearboxes and axles

SynPower driveline lubricants are high-performance, fully synthetic lubricants specially formulated to meet the needs of modern, as well as conventional gearboxes and transmissions of passenger cars, trucks, buses and other heavy-duty applications. Formulated with the most advanced additive technology, SynPower driveline lubricants provide outstanding thermal stability over a wide temperature range, improve easier shifting at low-temperatures and offer superior protection against wear and corrosion.

Benefits SynPower Driveline Lubricants

- Special additives reduce frictions for smooth shifting
- Provide improved protection for cold starts
- Ultimate protection against wear and corrosion
- Exceed or meet performances requirements of leading gears and axles manufacturers





SynPower TDL 75W-90

- Total driveline oil capabilities - API MT-1 GL- 3/4/5 specification
- Specially formulated for superior extreme temperature service
- Provides fuel economy
- Supports extended drain
- Recommended for mix fleets

Performance Levels/Approvals > SynPower TDL 75W-90
API GL-3,4,5 API MT-1,MAN 341 Type E3 and Z2, MAN 342 Type M3, MB-235.8, Scania STO 1:0 , Volvo 97312 ZF TE-ML 02B, 05B, 07A, 08, 12B, 16F, 17B, 19C, 21B.

Material Number Table	1L	20L	60L	208L	1000L	BULK
SynPower TDL 75W-90	804955	804956	VE15017	VE15018	VE15015	VE15019



SynPower Xtreme GL-4 75W-80

- Fully synthetic gear oil
- Supports extended drain
- Provides fuel economy
- For gearboxes with and without Volvo retarders

Performance Levels/Approvals >
SynPower Xtreme GL-4 75W-80
MAN 341 type E4 and VR, MB-235.29, Voith Retarder 153.00090010, Volvo 97307, EATON Manual Transmission.



SynPower GL-4 75W-80

- Fully synthetic gear oil
- Supports extended drain
- Provides fuel economy
- For gearboxes with and without Volvo retarders
- Recommended for mix fleets

Performance Levels/Approvals >
SynPower GL-4 75W-80
API: GL-4, MAN 341 Type E3 and Z4, Volvo 97305 ZF TE-ML 01L, 02L, 08, 16K. Suitable for use in DAF, Iveco, Renault and Eaton where such an oil is recommended (check owners manual).



SynPower GL-5 75W-140

- Fully synthetic axle oil
- Specially formulated for extreme temperature and service protection
- Excellent protection against wear and corrosion
- Supports longer drain intervals

Performance Levels/Approvals >
SynPower GL-5 75W-140
API GL-5, API MT-1, Scania STO 1:0.

Material Number Table	1L	20L	208L	BULK
SynPower Xtreme GL-4 75W-80	–	807231	–	–
SynPower GL-4 75W-80	801244	801243	801241	801220
SynPower GL-5 75W-140	–	609072	VE15838	320319

MAXLIFE DRIVELINE LUBRICANTS

The first formulation to meet multi-vehicle manual transmissions requirements

A lot of passenger cars transmissions have different needs. Multi-vehicle MaxLife manual transmission fluids are designed to meet requirements of most of manual transmission where API GL-4 lubricants are recommended. It has been successfully used as a problem solver for low temperature shiftability issues in the manual transmissions of a number of manufacturers.

Benefits MaxLife Driveline Lubricants

> First multi-vehicle manual transmission oil
> Reduce frictions for smooth shifting
> Provide improved protection for cold starts
> Excellent protection against wear and corrosion





Maxlife MTF GL-4 75W-80

> Multi-vehicle gear oil
> Maximize quality of shifting
> Excellent synchroniser performance giving extended synchroniser life and shift comfort
> Provides fuel economy

Performance Levels/Approvals >
Maxlife MTF GL-4 75W-80
API GL-4, Covers BMW, Mini, Mercedes-Benz, Smart, Alfa Romeo, Fiat, Volvo, Honda, Citroën, Peugeot, Renault, Dacia, Seat, Skoda, VW. Check owners manual before use.



Maxlife MTF GL-4 75W-90

> Fully synthetic multi-vehicle gear oil
> Maximize quality of shifting
> Excellent cold flow properties giving smoother gear shift at low temperatures
> Excellent synchroniser performance giving extended synchroniser life and shift comfort

Performance Levels/Approvals >
Maxlife MTF GL-4 75W-90
API: GL-4, Covers Lancia, Ford, Chevrolet, Opel, Saab, Hyundai, Kia, Mazda, Mitsubishi, Nissan, Suzuki, Land Rover, Jaguar, Toyota. Check owners manual before use.

Material Number Table	1L	20L	208L	BULK
Maxlife MTF GL-4 75W-80	807837	807836	807835	807425
Maxlife MTF GL-4 75W-90	807833	807832	807834	807426

DURABLEND DRIVELINE LUBRICANTS

Extra durability for tough conditions

DuraBlend driveline lubricants are specifically designed to provide boosted protection and high-performance, at both high and low temperatures. DuraBlend oils are formulated with a unique blend of synthetic and premium base oils with an advanced additive system to provide superior extreme-pressure benefits and extra durability for tough driving conditions. Recommended for cars, trucks and buses.

Benefits DuraBlend Driveline Lubricants

> Extra synthetic components for added durability
> Excellent protection against wear and corrosion
> Special additives reduce noise in differentials





DuraBlend GL-5 LS 75W-90

> For use in all limited-slip, hypoid and other transmissions where API GL-5 oil is specified
> Special additives reduce noise in differentials
> Protects against wear under all conditions

Performance Levels/Approvals >
DuraBlend GL-5 LS 75W-90
API GL-5.



DuraBlend GL-5 75W-90

> For use in all hypoid transmissions and transaxles where API GL-5 oil is specified
> Provides excellent protection under all weather conditions
> Protects against rust and corrosion

Performance Levels/Approvals >
DuraBlend GL-5 75W-90
API GL-5.

Material Number Table	1L	20L	60L	BULK
DuraBlend GL-5 LS 75W-90	807572	807574	–	VE15339
DuraBlend GL-5 75W-90	807500	807499	VE15317	VE15319

VALVOLINE DRIVELINE LUBRICANTS

Proven technology for gears and axles

Valvoline driveline lubricants are formulated with premium base stocks and additives to provide excellent gearbox performance and protection. They offer smooth running gear operation under various temperature conditions, as well as provide protection against wear and corrosion. Recommended for use in cars, trucks and buses.

Benefits Valvoline Driveline Lubricants

> Increased wear protection
> Proven gearbox performance





Valvoline TDL 80W-90

> Total driveline oil capabilities - API MT-1 GL- 3/4/5 specification
> Supports extended drain
> Increased wear protection
> Recommended for mix fleets

Performance Levels/Approvals >
Valvoline TDL 80W-90
API GL 3,4,5, MT-1, Mack GO-J, MAN 3343 M, 3343 Type S, MAN 341 Type E2, E3, MB 235.0 and 235.8, Renault, Scania, STO 1:0, DAF, Iveco, MIL-PRF-2105 E, ZF TE-ML 02B, 05A, 07A, 08,12E, 16B,C,D, 17B, 19B, C, 21A.

Material Number Table	208L	BULK
Valvoline TDL 80W-90	807989	807987



Valvoline Xtreme GL-5 80W-90

- For rear axles and transaxles
- Supports extended drain
- Increased wear protection
- Recommended for heavy-duty axles over a wide temperature range

Performance Levels/Approvals >
Valvoline Xtreme GL-5 80W-90
API GL-5, MT-1, MAN 342 Type M3, MB-235.20, Scania STO 1:0, ZF TE-ML 05A, 07A, 12E, 16B/C/D, 17D, 19B, 21A.



Valvoline GL-5 LS 80W-90

- For limited-slip axles
- Special additives reduce noise in limited slip differentials
- Increased wear protection over a wide temperature range

Performance Levels/Approvals >
Valvoline GL-5 LS 80W-90
API GL-5, ZF TE-ML 05C, 12C, 16E, 21C; Arvin Meritor Axles.



Valvoline GL-5 80W-90

- For rear axles and transaxles
- Increased wear protection over a wide temperature range

Performance Levels/Approvals >
Valvoline GL-5 80W-90
API GL-5.



Valvoline GL-5 85W-140

- For rear axles and transaxles
- Increased wear protection over a wide temperature range

Performance Levels/Approvals >
Valvoline GL-5 85W-140
API GL-5.

Material Number Table	1L	5L	20L	208L	BULK
Valvoline Xtreme GL-5 80W-90	–	–	805120	805119	806201
Valvoline GL-5 LS 80W-90	805142	–	805143	805141	806202
Valvoline GL-5 80W-90	807239	807238	807237	807235	807234
Valvoline GL-5 85W-140	–	816586	807256	807255	807254



Valvoline GL-5 RPC 75W-80

> For manual transmission when the manufacturer specifies a GL-5 oil
> Specially developed to meet the latest Renault, Peugeot, Citroën (RPC) requirements for manual transmissions

Performance Levels/Approvals >
Valvoline GL-5 RPC 75W-80
API GL-5, Renault, Peugeot, Citroën.
Check owners manual before use.



Valvoline GL-4 75W-80

> For manual transmissions
> Offers smooth running gear operation under various temperature conditions
> Increased protects against rust and corrosion
> Increased wear protection over a wide temperature range

Performance Levels/Approvals >
Valvoline GL-4 75W-80
API GL-4.



Valvoline GL-4 80W-90

> For manual transmissions
> Offers smooth running gear operation under various temperature conditions
> Increased protects against rust and corrosion
> Increased wear protection over a wide temperature range

Performance Levels/Approvals >
Valvoline GL-4 80W-90
API GL-4.



Valvoline GL-4 80W

> For manual transmissions
> Offers smooth running gear operation under various temperature conditions
> Increased protects against rust and corrosion
> Increased wear protection over a wide temperature range

Performance Levels/Approvals >
Valvoline GL-4 80W
API GL-4.

Material Number Table	1L	5L	20L	208L	BULK
Valvoline GL-5 RPC 75W-80	805146	–	805145	–	806203
Valvoline GL-4 75W-80	808626	808627	808628	–	808519
Valvoline GL-4 80W-90	807324	–	807323	807322	807321
Valvoline GL-4 80W	805148	–	–	805147	806204

SYNPOWER AUTOMATIC TRANSMISSION FLUIDS

Added performance for latest automatic transmissions

SynPower automatic transmission fluids are high-performance, fully synthetic lubricants specially formulated to meet the needs of modern, as well as conventional automatic transmissions of passenger cars, trucks and buses. Formulated with the most advanced additive technology, SynPower automatic transmission fluids provide outstanding thermal stability over a wide temperature range and offer superior protection against wear and corrosion.

Benefits SynPower Automatic Transmission Fluids

- Special additives reduce frictions for smooth shifting
- Provide improved protection for cold starts
- Ultimate protection against wear and corrosion
- Exceed or meet performances requirements of leading gears and axles manufacturers



SynPower ATF

- Full synthetic automatic transmission fluid
- Supports extended drain
- Superior temperature protection
- Recommended for mix fleets



Performance Levels/Approvals > SynPower ATF
GM Dexron IIE, Ford Mercon, MB 236.8, MAN 339 Z-2, 339 V-2, Allison C-4, Caterpillar TO-2, Voith H55.633633, H55.633633 (extended drain) (former Voith G 1363), ZF TE-ML 09X, 11A, 14B, 16L, Volvo 97335.

Material Number Table	1L	208L	BULK
SynPower ATF	808223	VE14818	VE14819



SynPower ATF 134

- Full synthetic automatic transmission fluid
- MB-approval 236.14
- Recommended for MB NAG-2 transmissions
- Superior temperature protection

Performance Levels/Approvals >
SynPower ATF 134
MB-approval 236. 14. MB NAG-2 transmissions, MB-236. 12, MB 7-speed automatic transmission series 722.9, MB 5-speed automatic transmission series 722.6, Ssang Yong passenger cars with MB automatic transmissions.



SynPower ATF 134 FE

- Full synthetic automatic transmission fluid
- MB-approval 236.15
- Recommended for MB NAG-2+ transmissions and MB 7-speed automatic transmission series Tronic Plus
- Superior temperature protection

Performance Levels/Approvals >
SynPower ATF 134 FE
MB-236.15, MB NAG-2+ transmissions, MB 7-speed automatic transmission series Tronic Plus, Not suitable for other transmissions.



SynPower DCT VA

- Full Synthetic dual clutch transmission fluid
- Licensed for VW, Audi, Skoda, Seat
- Superior temperature protection
- Superior anti-wear properties

Performance Levels/Approvals >
SynPower DCT VA
VW G 052 182 A2, VW G 052 182, BMW 83 222 148 -578,579; BMW 83 222 147 - 477, BMW 83 220 440214, PSA 9734.S2, Ford M2C936A, MB-236.21, Mitsubishi Dia-Queen SSTF-1, Porsche Oil No. 999.917.080.00, Volvo 1161838,1161839.



SynPower ATF +4

- Full synthetic automatic transmission fluid
- Licensed for Chrysler +4
- Superior temperature protection
- Superior anti-wear properties

Performance Levels/Approvals >
SynPower ATF +4
BMW / MINI Cooper EZL 799; Dodge/Chrysler MS9602 (ATF +4)®, Chrysler MS7176E (ATF +3)®, Chrysler MS7176D (ATF +2)®, Chrysler MS7176 (ATF +)®, Recommended for use where Fiat 9.55550-AV4 is specified

Material Number Table	1L	20L	208L
SynPower ATF 134	801938	801937	801936
SynPower ATF 134 FE	855425	855424	855236
SynPower DCT VA	793480	–	–
SynPower ATF +4	808625	–	–

MAXLIFE AUTOMATIC TRANSMISSION FLUIDS

Proven technology for automatic transmissions

Different automatic transmissions have different needs. Multi-vehicle MaxLife ATF is designed to meet requirements of most of automatic transmission. The advanced formulation helps keep the transmission functioning properly and enhances the performance and life of modern and high-kilometer transmissions.

Benefits MaxLife Automatic Transmission Fluids

- First multi-vehicle manual transmission oil
- Reduce frictions for smooth shifting
- Provide improved protection for cold starts
- Excellent protection against wear and corrosion





MaxLife ATF

- Multi-vehicle automatic transmissions
- Maximize temperature protection
- Protects seals to prevents leaks
- Maximize smooth shifting longer than conventional ATFs
- Maximize flow at low-temperatures and greater film protection at high temperatures

Not recommended for use in > MaxLife ATF

CVT's, Low viscosity ATF's, Ford M2C-33 F/G, Mercedes-Benz 236.12, 14, 20, Mercedes-Benz NAG-2 , BMW with green sticker, Mazda M-V with Aisin Warner 6-speed on CX-9 models *, Volvo XC models with Aisin Warner 6-speed **

Performance Levels/Approvals > MaxLife ATF

GM: Dexron IID, IIE, III, IIIH, VI, 9986195, Ford: Mercon, Mercon V, SP, LV, FNR 5, BMW LT 71141, LA 2634, M-1375.4, Chrysler ATF +3, Hyundai Diamond, Honda/Acura ATF-Z1 (not CVT), Kia: SP-II, III, IV, Kia Red-1, MAN 339 type D, F, Z1, Z2, V1, V2, Mazda M-V, MINI Cooper, Mitsubishi Diamond SP-II, SP-III, MB-236.1,2,3,5,6,7,8,9,10,11,14, NAG 1. (not for 236.12,20), Nissan/ Infiniti S,D,J,K-matic, Subaru ATF, ATF-HP, Toyota T, T-III, T-IV, WS (except Hybrids), Volvo 1161521, 1161540, STD1273.41, VW/Audi G052 025 A2, G052 162 A1, Aisin Warner AW-1, JWS 3309, Allison C-4, TES 389, TES 295,(extended drain intervals only with used oil sample analysis). Voith H55.6335.33 former G 607, Voith H55.6336.33 former G 1363, ZF TE-ML 14B, 16L, 17C. BMW M-1375.6, ETL-7045E, ETL-8072B, Chrysler Diamond SP-III, NAG-1,3403-M115, Hyundai SPH-IV, Mitsubishi Diamond SP-IV, 3403-M115, Mopar AS68RC, Saab 93 165 147, VW/Audi G 055 005 A2, G055 162 A6, G052 990 A2, G060 162 A2, TL 52162, ZF ATF 1375.4,6, Jatco Transmissions N402

Material Number Table	1L	20L	60L	208L	BULK
MaxLife ATF	807497	807498	VE14937	VE14938	VE90384



MaxLife DCT

- Multi-vehicle synthetics technology fluid for dual clutch transmissions
- Suitable for European, Asian, and American passenger cars and vans
- Maximum anti-wear protection
- Maximum temperature protection
- Especially designed for DSG gear boxes of passenger cars and vans of Volkswagen
- Suitable to use for certain models for Audi, Skoda, Seat, Lamborghini and Nissan with VW DSG gear boxes

Performance Levels/Approvals > MaxLife DCT
VW TL 521 82, VW G 052 182, VW G 052 529, BMW 83 222 148 - 578, 579, BMW 83 222 147 - 477, BMW 83 220 440214, PSA 9734.S2, Ford M2C936A, MB-236.21, Mitsubishi Dia-Queen SSTF-1, Porsche Oil No. 999.917.080.00, Volvo 1161838, 1161839



MaxLife CVT

- Multi-vehicle synthetics technology fluid for Continuous Variable Transmissions
- Suitable for European, Asian, and American passenger cars and vans
- Maximum anti-wear protection
- Maximum temperature protection
- Especially designed for belt- and chain driven continuously variable transmissions

Performance Levels/Approvals > MaxLife CVT
BMW / Mini cooper EZL 799, Dodge/ Jeep NS-2, CVT fluid +4, Ford CVT23, CVT30, Mercon C, GM/Saturn DEX-CVT, Honda HMMF, Hyundai/Kia SP-III (not in automatic transmissions), Hyundai Genuine CVT Fluid MB 236.20, Mitsubishi CVT fluid J1, SP-III (not in automatic transmission), Nissan NS-2, Subaru NS-2, Subaru Lineartronic CVT fluid, Suzuki TC, NS-2, CVT Green 1, Toyota TC, VW/Audi TL52180, G052 180, G052 516

Material Number Table	1L	5L
Maxlife DCT	821636	821637
Maxlife CVT	823551	823553

VALVOLINE AUTOMATIC TRANSMISSION FLUIDS

Proven technology for automatic transmissions

Valvoline automatic transmission fluids are formulated with premium base stocks and additives to provide improved performance and protection. They offer smooth running gear operation under various temperature conditions, as well as provide protection against wear and corrosion. Recommended for use in cars, trucks and buses.

Benefits Valvoline Automatic Transmission Fluids

> Increased wear protection
> Proven gearbox performance







Valvoline ATF Dex/Merc

> Synthetic blend automatic transmission fluid
> Licensed G34221 for GM Dex III
> Licensed M-020602 for Ford
> Increased temperature protection

Performance Levels/Approvals >
Valvoline ATF Dex/Merc
GM Dexron III G, Ford Mercon, Allison C-4, Nissan, Caterpillar TO-2.

Valvoline ATF Type D

> Increased low-friction properties, even under very cold conditions
> Recommended for mix fleets

Performance Levels/Approvals >
Valvoline ATF Type D
GM Dexron IID, Ford Mercon, BMW Group 24, MAN 339 Z-1, V-1 (former type D), MB-236.6, Voith H55.633533 (former G 607), H55.633540, Voith H55.633541, Allison C-4, Caterpillar TO-2, ZF TE-ML 03D, 04D, 09X, 11A, 14A, 17C.

Material Number Table	1L	5L	20L	60L	208L	BULK
Valvoline ATF Dex/Merc	807496		807495		VE14838	VE14839
Valvoline ATF Type D	807493	807492	807494	VE14857	VE14858	VE14859



OTHER LUBRICANTS

RELIABILITY AND TRUST

Today's vehicles and equipments are designed to perform at higher levels than ever before. Valvoline greases, hydraulics, industrial transmissions and marine and agricultural oils have been developed following many years of research, development, and field experience. The result is a range of lubricants that are designed to meet the extreme performance demands of today's market."

GREASES

Reliable and trust

The Valvoline range of greases includes products specially designed for use in automotive, heavy-duty, marine and industrial equipment. Developed using the highest quality base stocks and the latest additive technology, Valvoline greases provide superior lubrication properties. Unique mixed-complex soap structures are used in Dipperstick grease, to provide the ultimate protection against wear and corrosion, even under the most severe conditions.

Benefits Greases

- Wear protection
- Sealing
- Corrosion protection
- Oxidation resistance
- Noise and vibration reduction
- Elastomer seals protection



Material Number Table	0.4 kg	18 kg	180 kg
SynPower Multi Purpose Grease	809496	809495	809494



SynPower Multi Purpose Grease

- Synthetic heavy duty lithium complex EP grease, developed for lubrication of automotive and industrial equipment, like trucks, road-building equipment and industrial machinery
- Suitable for wide range of temperature -40°C. to +150°C. with peaks up to +220°C.
- Mechanically very stable and due to its smooth structure easily pumpable.
- Protects against rust and corrosion and is resistant against oxidation

Performance Levels/Approvals >
Multi Purpose Grease
NLGI Grade - 2.



Multi Purpose Grease

- Universal heavy-duty lithium complex EP grease, developed for lubrication of automotive and industrial equipment, such as trucks, road construction equipment and industrial machinery
- Suitable to lubricate marine equipment working in a damp environment
- Can be applied over a wide temperature range
- Mechanically very stable and easily pumpable, due to its smooth structure

Performance Levels/Approvals >
Multi Purpose Grease
NLGI Grade - 2.



Water Resistant Grease

- Multi-functional calcium/ lithium grease with extreme-pressure properties, specially formulated for lubricating machinery working in damp or wet conditions
- Highly resistant against oxidation, corrosion and wear
- Performs very well in marine applications like stern tubes, bearings, gears and a variety of deck machinery
- Good mechanical stability, high load-carrying capacity, applicable within a wide temperature range

Performance Levels/Approvals >
Water resistant grease
NLGI Grade- 2/3.



Moly Fortified MP Grease

- Universal lithium EP Grease with molybdenum disulphide to reduce friction
- For lubrication of automotive and industrial equipment, especially when working under wet conditions
- Can be applied over a wide temperature range and used for chassis lubrication of trucks, tractors, bulldozers and other on-road and off-road and industrial equipment
- Mechanically very stable and easily pumpable, due to its smooth structure

Performance Levels/Approvals >
Moly Fortified MP Grease
NLGI Grade - 2.

LANGUAGES
* V1: English, German, Dutch, French, Spanish, Portuguese, Italian
* V2: English, Russian, Polish, Danish/Norwegian/Swedish, Estonian/Latvian/Lithuanian/Finish

Material Number Table	0.4 kg V1*	0.4 kg V2*	0.5 kg	18 kg	50 kg	180 kg
Multi Purpose Grease	VE40020	791654	VE40026	VE40034	VE40036	VE40038
Water Resistant Grease	-	811295	–	792476	811294	811293
Moly Fortified MP Grease	VE40000	791653	VE40006	VE40014	VE40016	VE40018



Dipperstick Grease

- Strong adhesion to metal surfaces, resists water washing and prevents rust and corrosion
- Excellent wear-resistant properties suitable for working in damp, or wet conditions
- Easy to apply at low-temperatures
- Excellent load-carrying capacity and good corrosion prevention properties
- Recommended for lubrication of dippersticks, open gears, cables and coupling devices of trucks and trailers

Performance Levels/Approvals >
Dipperstick Grease
NLGI Grade - 2.



Semi-Fluid Grease

- Lithium grease with a soft consistency for lubrication of bearings and closed industrial gearboxes where a semi-fluid grease is required
- Suitable for automatic lubrication systems of trucks and in applications where a double-zero grease is prescribed
- Mechanically very stable and easily pumpable due to its smooth structure

Performance Levels/Approvals >
Semi-Fluid Grease
NLGI Grade - 00.



Lithium No. 2 EP Grease

- Universal lithium EP Grease developed for lubrication of automotive and industrial equipment
- Can be applied over a wide temperature range
- Good water resistance and protection against rust and corrosion
- Mechanically very stable and easily pumpable, due to its smooth structure

Performance Levels/Approvals >
Lithium No. 2 EP Grease
NLGI Grade - 2.



Copper Compound

- An anti-seize assembly product, which can be used over a wide temperature range from -30°C to +1200°C. Use on screw threads and other mating surfaces to prevent seizure from rust and/or high temperatures
- It may be applied up to 12 months prior to requirement
- Copper Compound ensures excellent lubrication
- Guards against fretting and scuffing

Material Number Table	0.4 kg	0.5 kg	18 kg	50 kg	180 kg
Dipperstick Grease	–	–	VE40154	–	–
Semi-Fluid Grease	–	–	VE40074	–	VE40078
Lithium No. 2 EP Grease	779181	–	VE40054	VE40056	VE40058
Copper Compound	–	VE5301	–	–	–

MARINE OILS

Proven technology for marine

The Valvoline range of marine products included engine oil specially designed for diesel and gas marine engines.



Benefits Marine Oils

> Proven technology for marine gas and diesel engines
> Protects against sludge formation and wear



Valmarin TP 1230, 1240

> SAE 30, 40
> Specially designed for medium- and high-speed marine trunk piston gas oil and diesel engines
> Prevents ring-sticking, wear and deposit formation, and helps keep engines clean
> Fulfills the requirements of most major marine diesel engine manufacturers

Performance Levels/Approvals >
Valmarin TP 1230, 1240
API CF, MAK, MAN B&W, SEMT Pielstick, New Sulzer Diesel, Wärtsilä.

Material Number Table	208L	BULK
Valmarin TP 1230	VE16118	VE16119
Valmarin TP 1240	VE16138	VE16139

AGRICULTURAL OILS

Reliable, versatile and unique products for farmers

The Valvoline range of products for agriculture segment includes universal products for engines, transmissions and differentiations and hydraulics.

Benefits Agricultural Oils

> Multi-purpose fluids
> Minimizes misapplications
> Protection against wear and corrosion
> Excellent friction properties





STOU (Super Tractor Oil Universal) 10W-30, 15W-40

> API GL-4, CF-4
> A premium, multi-functional oil specially formulated for use in agricultural equipment engines, transmissions and wet-brake systems and integral hydraulic systems
> Can be used for total tractor lubrication (including frontaxle final drives) helping to eliminate misapplication and reducing the number of products required on hand

Performance Levels/Approvals > STOU 10W-30, 15W-30, 15W-40
API CF-4, CE/SF, API GL-4, Allison C3, C4, Massey Ferguson M1139, M1144, MF1145, Ford M2C-159B, 30, 40 Series, John Deere JDM J27, Caterpillar TO-2, ZF TE-ML-06A, B, C, D, 07B.

UNITRAC 80W

> API GL-4
> A premium multi-purpose fluid designed for year-round service in tractor hydraulic systems, transmissions and differentials with wet-brake systems and final drives. The product is not designed for use as an engine lubricant. Protects against wear and corrosion of tractor components and has excellent friction properties

Performance Levels/Approvals > Unitrac 80W
API GL-4, Case MS 1205/6/7/9, Case MS 1205/10, Case MAT 3505, MAT 3509 (MS1230), Ford M2C-159B, Ford/New Holland FNHA-2-C-200.00, Ford/New Holland FNHA-2-C-201.00 (A), John Deere J20 D, ZF TE-ML 06E, White Farm (AGCO) Q-186 Massey Ferguson M 1135/1141/ 1143/1145, Ford M2C-134 A/B/C/D, M2C 86 B/C, M2C-43, John Deere J20 A/B/C, J14 B/C, J21A, ZF TE-ML 03E, 05F, 06K, 17E, Kubota UDT, Steiger SEMS 17001, Versatile 23M, 24M, Volvo VME, VCE WB 101, Allison C3, C4.



Material Number Table	20L	208L	1000L	BULK
STOU 10W-30	VE17006	VE17018	–	VE90327
STOU 15W-40	VE17046	VE17058	–	VE17059
UNITRAC 80W	VE17106	VE17118	VE17115	VE17119

HYDRAULIC OILS

Proven technology for hydraulic systems

The stringent requirements of industrial environments demand special lubricants. Ultramax™ products are specially formulated to provide modern hydraulics systems with superior anti-wear protection and heavy-duty service performance.

Benefits Ultramax Hydraulic Oils

> Excellent anti-wear and anti-corrosion protection
> Based on highly refined mineral oils
> High resistants to oxidation helping with extends service life





Material Number Table	208L
Ultramax Extreme HVLP ISO 28	804321

Ultramax Extreme HVLP ISO 28

> High viscosity index (VI) hydraulic oil offers superior anti-wear protection and heavy-duty service performance
> Excellent performance even in extreme climatic conditions especially when the hydraulic system is discontinuous and the starting temperature of the oil is very low
> Available in ISO 28 viscosity grade

Performance Levels/Approvals >
Ultramax Extreme HVLP ISO 28
AFNOR NFE 48-690/1
AFNOR NFE 48-603.



Ultramax HVLP 32, 46, 68

- Superior anti-wear protection and heavy-duty service performance even in extreme climatic conditions
- Excellent low-temperature properties
- Available in ISO 32, 46, 68 viscosity grades

Performance Levels/Approvals >
Ultramax HVLP
DIN 51524 (part 3), ISO 11158 HV, Sperry Vickers M-2950-S/I-286-S, US Steel 127, Thysen-TH N-256132.



Ultramax HLP ZF 46

- Zinc free (ZF) hydraulic oil
- Excellent anti-wear performance and outstanding load carrying capabilities
- Excellent filterability
- High corrosion resistance
- Compatibility with ferrous, yellow and white metals components
- Available in ISO 46 viscosity grade

Performance Levels/Approvals >
Ultramax HLP ZF 46
DIN 51524 part 2, ISO 11158 HH, HL, HM
Denison HF-0, HF-1, HF-2, Vickers (Eaton) I-286-S, Vickers (Eaton) M-2950-S, General Motors LS-2 Cincinnati Machine P-68, P-69, P-70, Bosch Rexroth RE 90 220.



Ultramax HLP 32, 46, 68

- For use in a variety of hydraulic systems, including cranes, forklifts, loading ramps, tail-boards, etc.

Performance Levels/Approvals >
Ultramax HLP
DIN 51524 (part 2), Sperry Vickers M-2950-S/I-286-S, US Steel 127, Thysen-TH N-256132.



Ultraplant ES 46

- Ester-based biodegradable hydraulic fluid with improved anti-oxidant, anti-wear and anti-corrosion properties.
- Intended for all applications where environmental losses may occur, (forest working machines, waterway locks, mining, etc.).
- Meets the requirements of the "Clean Lubricants" Act, as defined by the City of Gothenburg, Sweden.
- Available in an ISO 46 viscosity grade

Performance Levels/Approvals >
Ultraplant ES 46
CEC-L-33-A92, CEC-L-33-T 82, Swedish Standard SS 155434.

Material Number Table	5L	20L	208L	IBC	BULK
Ultramax HVLP 32	–	VE16206	VE16218	VE16215	VE16219
Ultramax HVLP 46	–	VE16226	VE16238	VE16235	VE16239
Ultramax HVLP 68	–	VE16246	VE16258	VE91109	VE90318
Ultramax HLP ZF 46	–	–	–	808229	808227
Ultramax HLP 32	816698	VE16426	VE16438	VE90320	VE16439
Ultramax HLP 46	–	VE16446	VE16458	VE16455	VE16459
Ultramax HLP 68	816699	VE16466	VE16478	VE16475	VE16479
Ultraplant ES 46	–	–	VE16618	–	–

INDUSTRIAL GEAR OILS

Proven technology for industrial gear oils

Industrial gear oil which offers excellent extreme-pressure resistance, heavy load-carrying capability, high thermal stability and good water separation ability.



Benefits Industrial Gear Oils

> Excellent Extreme Pressure properties
> Formulated with premium quality mineral oils
> Proven anti-wear and anti corrosion protection



Material Number Table	208L
Valvoline E.P.G. 100	VE90957
Valvoline E.P.G. 150	VE16738
Valvoline E.P.G. 220	VE16758
Valvoline E.P.G. 320	VE16778

Valvoline E.P.G. ISO 100,150, 220, 320

> Suitable for industrial gearboxes and reduction gear units
> Excellent shock load resistance to meet variable load and r.p.m. conditions
> Does not affect or stain copper or bronze

Performance Levels/Approvals >
Valvoline E.P.G.
ISO, DIN 51502/DIN 51517-3, US-Steel 224, AGMA 250.04.



DT Transmission Oil 10W, 30, 50

- A heavy-duty lubricant designed and recommended for applications requiring oils meeting the Caterpillar TO-4 or the Allison C-4 specifications
- Formulated from premium base stocks and a select additive system to meet the challenging demands of modern equipment
- Designed for use only in transmissions and drive trains, and should not be used as engine oil. Suitable for Caterpillar's road building equipment with wet-brakes

Performance Levels/Approvals >
DT Transmission Oil 10W, 30, 50
DT Transmission Oil SAE 10W
Caterpillar TO-4
Allison C-4
ZF TE-ML 03B, 03C
Komatsu Micro Clutch
DT Transmission Oil SAE 30
Caterpillar TO-4
Allison C-4
ZF TE-ML 03A, 03C
Komatsu Micro Clutch
Eaton Fuller
DT Transmission Oil SAE 50
Caterpillar TO-4
Eaton Fuller

Material Number Table	20L	208L
DT Transmission Oil 10W	819582	VE17818
DT Transmission Oil 30	756754	VE17838
DT Transmission Oil 50	–	VE17858

LAWNMOWER OIL/CHAINSAW OIL/ BAR & CHAIN LUBE

Valvoline specialty outdoor products provide the perfect engine protection and cleaning and lubrication properties needed when working with high-revving machinery in severe operating conditions. These lubricants use the highest quality base stocks and the latest additive technology.



Lawnmower Oil

Valvoline Lawnmower Oil is a premium lubricant specially developed for use in all four-stroke lawnmowers, rotary cultivators, small tractors, floor cleaning machines and other similar equipment operating in a high-revving environment.

- SAE 30
- Keeps engines clean
- Protects against wear and corrosion
- Fulfills requirements of leading lawnmower manufacturers

Performance Levels/Approvals >
Lawnmower Oil
API SG/CD.



Durablend Chainsaw 2T

DuraBlend Chainsaw 2T is a synthetic blend lubricant specially formulated with unique basestocks and additives to provide enhanced oil-film strength for severe operating conditions encountered by high-speed light and heavy chainsaw equipment.

- Synthetic blend
- Pre-diluted for easier mixing
- For use in both injector and pre-mix systems
- Use fuel/oil ratios as specified by the engine manufacturer

Performance Levels/Approvals >
Durablend Chainsaw 2T
API TC, JASO FD, ISO L-EGD, Husqvarna 242/346.

Material Number Table	1L
Lawnmower Oil	VE15960
Durablend Chainsaw 2T	VE15981

OUTBOARD OILS

Providing year-round protection for all air and water-cooled engines, Valvoline high performance outboard engine oils not only give excellent lubrication, but also help prevent deposits from forming in the combustion chamber and combat fuel-related problems. The specially selected base oils and additives provide excellent performance across a wide temperature range.



Super Outboard 2T

- Excellent lubrication
- Helps prevent deposits forming in the combustion chamber
- Combats fuel-related problems, deposits, ring sticking and carbon accumulation
- Pre-diluted for easier mixing, and suitable for oil-injection systems
- Use fuel/oil ratios as specified by the engine manufacturer up to a maximum of 100:1
- TC-W3

Performance Levels/Approvals >
Super Outboard 2T
NMMA TC-W3, Re-certified RL-56669E.



Super Outboard 4T

- SAE 10W-30, API SJ
- Provides easy cold starting
- Good wear protection resists high speed revving
- The product resists long term use and high engine temperatures when performing professional work on the water
- With a pour point of -39ºC. Super Outboard 4T has no problems with fishing trips in the wintertime
- Basic oils and additives protect the engine against rust and corrosion and extend the lifespan of the different engine parts

Performance Levels/Approvals >
Super Outboard 4T
API SJ.

Material Number Table	1L	4L	208L	BULK
Super Outboard 2T	VE16020	VE16027	VE16038	VE90255
Super Outboard 4T	VE16040	VE16047	714353	–

AUTOMOTIVE & HEAVY DUTY CHEMICALS

EFFECTIVE WORKSHOP SOLUTIONS FOR INCREASED CUSTOMER SATISFACTION

Valvoline — the oil industry's first brand and a recognized leader in automotive aftercare — offers a complete range of high-performance chemicals that deliver superior results and convenience, generate new revenue opportunities and business growth, and build marketplace loyalty and customer satisfaction. You can count on the innovative, premium formulations and unrivaled performance of Valvoline automotive and heavy-duty chemicals.





COOLANTS

PROTECTION AGAINST FROST AND VEHICLE BREAKDOWN

The primary cause of vehicle breakdown
is cooling system failure, because:
> Cooling system maintenance is often neglected
> The wrong coolant or water is often used

Choosing the right coolant is essential to engine protection, and the complete range of premium Valvoline coolants help keep system components in top condition. Most vehicle manufacturers have particular coolant specifications and recommend different coolant technologies, including organic acid technology (OAT) or hybrid organic acid technology (HOAT). In addition to meeting these approved technologies, Valvoline coolants offer additional benefits so you can be sure of the best protection available.

UNIVERSAL COOLANT SOLUTIONS

Valvoline has witnessed an increasing complexity in the field of OEM endorsed coolant differentiation and as a result, over the last few years has enhanced its formulation to offer universal chemistry in the marketplace.



MaxLife Coolant AF Concentrate

For all passenger car applications

- For both new and higher mileage vehicles
- Extra additives to prevent scaling and system deposits
- Protects seals, gaskets and aluminum
- Lubricates seals and hoses to prolong life
- Long-life formula (five years)

Performance Levels/Approvals > MaxLife Coolant AF
BS 6580: 1992, ASTM D-4985, Scania, ASTM D-3306 (D-4656), NATO S-759, O-Norm V5123, SAE J 1034, MB 325.3, Ford WSS M97 B44-D, Detroit Diesel, Jaguar, DAF, Deutz MWM, Opel 6277M, Isuzu, Leyland, Steyr, MACK. SAE J 814C, J1941, MB 325.0,2,5, Afnor 15-601, Audi, SEAT, Skoda, VW TL 774C,D,F,G,J, VW G11,G12,G12+,G12++ and G13 applications, MAN 324 type NF and Si-OAT, BMW N600.69.0, Volvo VCS, Renault RVI, MAN B&W, GM B 040 0240, MTU, Saab (6901 599), Peugeot (PSA B715110), Citroen (PSA B715110), Cuna NC956-16.



Maxlife Coolant 50/50 RTU

For all passenger car applications

- Easy to use
- For both new and higher mileage vehicles
- Extra additives to prevent scaling and system deposits
- Protects seals, gaskets and aluminum
- Lubricates seals and hoses to prolong life
- Long-life formula (five years)

Performance Levels/Approvals > MaxLife Coolant 50/50 RTU
BS 6580: 1992, ASTM D-4985, Scania, ASTM D-3306 (D-4656), NATO S-759, O-Norm V5123, SAE J 1034, MB 325.3, Ford WSS M97 B44-D, Detroit Diesel, Jaguar, DAF, Deutz MWM, Opel 6277M, Isuzu, Leyland, Steyr, MACK, SAE J 814C, J1941, MB 325.0,2,5, Afnor 15-601, Audi, SEAT, Skoda, VW TL 774C,D,F,G,J, VW G11,G12,G12+,G12++ and G13 applications, MAN 324 type NF and Si-OAT, BMW N600.69.0, Volvo VCS, Renault RVI, MAN B&W, GM B 040 0240, MTU, Saab (6901 599), Peugeot (PSA B715110), Citroen (PSA B715110), Cuna NC956-16.



Screenwasher Antifreeze AF Concentrate

Valvoline Screenwasher Antifreeze is a powerful blue liquid which cleans and degreases the windscreen of your car and prevents freezing of the windscreen and screenwash reservoir. Special ingredients ensure a clean and clear windscreen for improved vision.

- Excellent cleaning power
- Reliable frost protection
- Pleasant scent
- Friendly for car paint and polycarbonates
- Up to -50°C freezing protection
- Suitable for screenwash systems of all major car manufacturers

LANGUAGES
* VS: GB, DE, NL, FR, PL, FI, DK/NO/SE

Material Number Table	1L	1LVS*	5L	20L	60L	208L	1000L	BULK
MaxLife Coolant AF Concentrate	808503	–	808502	808501	808450	808449	808448	808447
Maxlife Coolant 50/50 RTU	808510	–	808509	808508	808507	808506	808505	808504
Screenwasher Antifreeze Concentrate	–	760442	–	–	–	760436	–	–

HD COOLANTS

Cooling system protection at extreme low temperatures require an exceptional product, Valvoline Coolant AFs have been specifically designed to provide very high levels of protection even at temperatures as low as -36°C. Suitable for cars, trucks, buses, and meeting the requirements of most leading car and truck manufacturers, it contains no nitrites, amines or phosphates. Coolant AFs can be used for both for open and closed cooling systems, and are safe to mix with coolants based on ethylene glycol.

HD Extended Life Coolant AF
For all heavy-duty applications

> HD Extended Life is an engine coolant for trucks, buses, road construction machines and industrial equipment, which fulfills the requirements of most leading heavy-duty engine manufacturers.
> The product is free of amines and phosphates, which makes it more friendly to the environment.
> HD Extended Life Coolant protects cooling systems against frost, corrosion and overheating for at least three years, 7.000 hours or 500.000 kilometers.
> The product is mixable with other coolants on basis of mono ethylene glycol, but that may shorten the long-life characteristics. It cannot be mixed with products on basis of Propylene Glycol. Depending on the desired protection against freezing the product can be mixed with water in several concentrations.



HD Extended Life Coolant AF

> Lower cost of operation
> Prevents scaling and system deposits
> Protects seals, gaskets and aluminum
> Prevents housing and system metals from corrosion
> Increased drain intervals (500.000 kilometers)



Performance Levels/Approvals >
HD Extended Life Coolant AF
ASTM D-6210, ASTM D-4985, ASTM D-3306 (D-4656), Afnor 15-601, BS 6580, Caterpillar EC -1, Cummins 14603, 3666286, Cuna NC 956-16, DAF, Detroit Diesel 7SE 298, Deutz MWM, MAN 324 type NF, MB 325.0, 2, 3, MAN B&W, MTU, O-Norm V5123, Renault RVI, Scania, Volvo VCS, SAE J 814, J 814C, J 1034, J 1941, NATO S-759, Isuzu, Leyland; Ford WSS M97 B44-D, Earth moving machines.

Material Number Table	20L	208L	1000L	BULK
HD Extended Life Concentrate	–	808515	–	–
HD Extended Life 50/50 RTU	808513	808516	808512	808511
HD Extended Life -67 RTU	–	808514	–	–



BRAKE & CLUTCH FLUIDS

SAFETY FIRST WITH HIGH-QUALITY FLUIDS

High-quality brake fluid is essential to ensure effective stopping power. Most vehicle manufacturers recommend changing brake fluids every two years to optimize braking performance and protect system components. Top-quality Valvoline brake fluids are available for all driving conditions and brake systems, including disc, drum and anti-skid (ABS) applications. Choosing Valvoline brake fluids is your guarantee of advanced performance and system protection.

BRAKE & CLUTCH FLUIDS

Valvoline Brake & Clutch Fluids are high-quality, non-mineral fluids based on glycol ethers, and are formulated specifically for hydraulic brake systems. The high boiling points of all products mean that they are safe for use within the brake system and can be mixed with other brake fluids with a similar specifications. The hygroscopic properties of Valvoline Brake and Clutch Fluids absorb water that slowly lowers the boiling point. It is recommended that brake and clutch fluids are refreshed every two years.







Brake & Clutch Fluid DOT 3

> Developed for older vehicle hydraulic brake systems
> High dry-boiling point (244°C.)

Performance Approvals >
Brake & Clutch Fluid DOT 3
FMVSS 116 DOT3 SAE J. 1703.
ISO 4925 CLASS 3

Brake & Clutch Fluid DOT 4

> Developed for modern vehicle hydraulic brake systems
> High dry-boiling point (265°C.)

Performance Approvals >
Brake & Clutch Fluid DOT 4
FMVSS 116 DOT4 SAE J. 1704.
ISO 4925 CLASS 4

Brake & Clutch Fluid DOT 5.1

> Suitable for cars with ABS and ASR anti-block and anti-slip systems
> High dry-boiling point and can be used at very high and very low-temperatures (270°C)

Performance Levels/Approvals >
Brake & Clutch Fluid DOT 5.1
FMVSS 116 SAE J. 1704, ISO 4925.

Material Number Table	500ML	1L	5L
Brake & Clutch Fluid DOT 3	841201	841202	841203
Brake & Clutch Fluid DOT 4	841594	841593	841592
Brake & Clutch Fluid DOT 5.1		VE58024	



POWER STEERING FLUIDS

KEEP POWER-STEERING SYSTEMS WORKING PROPERLY

Valvoline power-steering fluids meet and exceed the requirements of leading vehicle manufacturers to ensure steering components are fully protected. Vehicle manufacturers recommend checking the quality of power steering fluids at least every two years to maintain proper system function and protection.

POWER STEERING FLUIDS

Valvoline power steering fluids meet and exceed the requirements of leading vehicle manufacturers to ensure steering components that are fully protected for consistent high performance. Vehicle manufacturers recommend checking the quality of power steering fluids at least every two years to maintain proper system function and protection.



LHM Plus Fluid

- Special fluid with improved flow at low-temperatures to meet Citroën specifications for the hydraulic system, power steering/brake system booster and leveling system
- Extremely high and stable viscosity index and a very low pour point

Performance Levels/Approvals >
LHM Plus Fluid
Please check owners manual before use. AFNOR NF R 12-640, ISO 7308, PSA (Citroën) B71 2710.

LANGUAGES
* VSW: GB, DE, NL, FR, ES, PT, IT, EE, FI, DK/NO/SE, LT, GR, HR/BiH, RU, RO, SI, CZ, HU, PL



SynPower Power Steering Fluid

- Synthetic power steering fluid, suitable for use in power steering units and leveling systems of passenger cars and trucks where special OEM fluids are recommended
- Flows easily at very high and low-temperatures. Suitable for ABS/ASR/ASC systems

Performance Levels/Approvals >
SynPower Power Steering Fluid
Please check owners manual before use. VW TL 52146 (G002000), VW G004000M2, MB 345.0, GM B 040 0070, MAN M 3289, Volvo 1161529, Audi, BMW, Saab, Porsche, Skoda, Fendt, Ford, ZF.

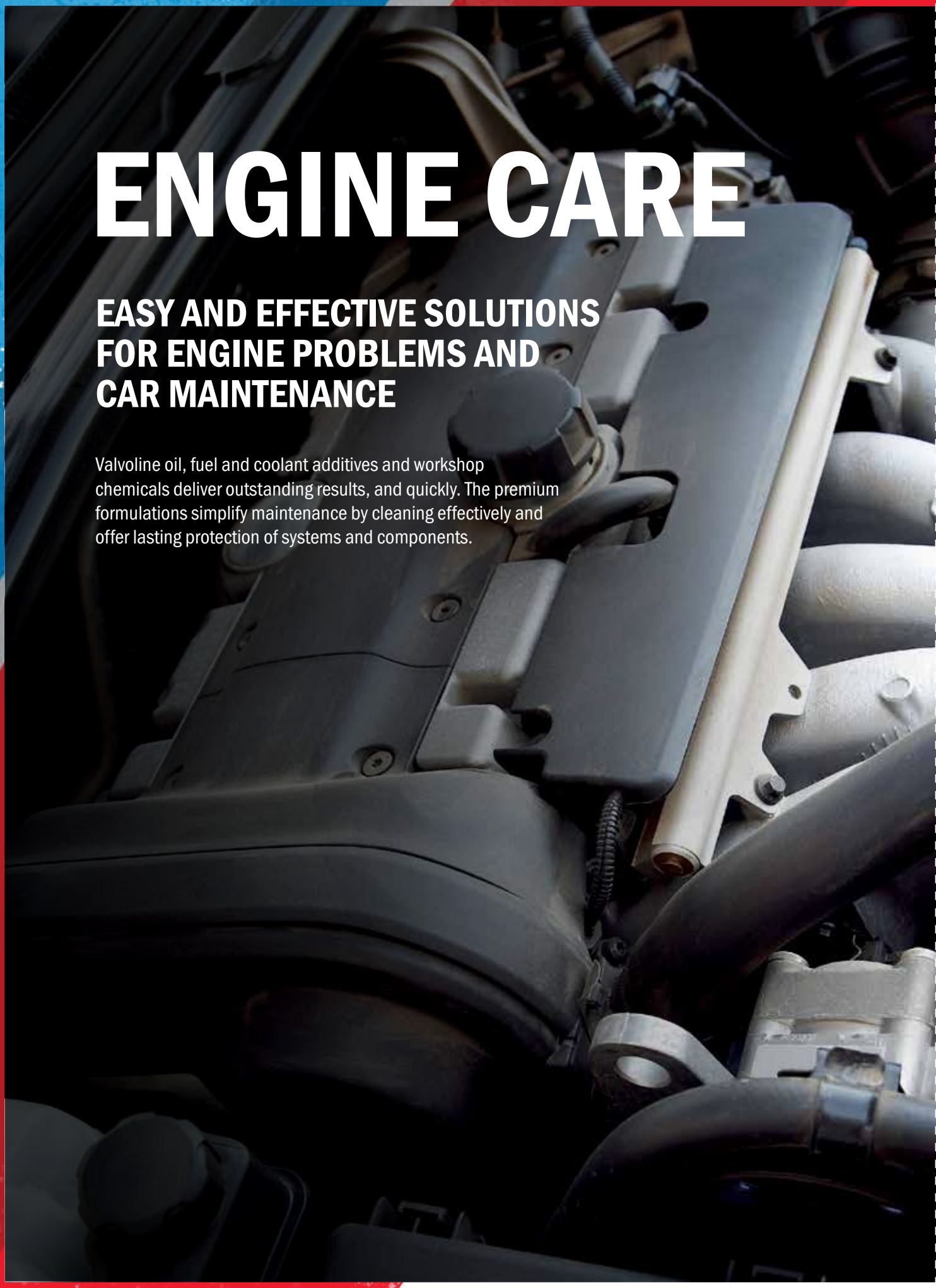
LANGUAGES
* VSW: GB, DE, NL, FR, ES, PT, IT, EE, FI, DK/NO/SE, LT, GR, HR/BiH, RU, RO, SI, CZ, HU, PL

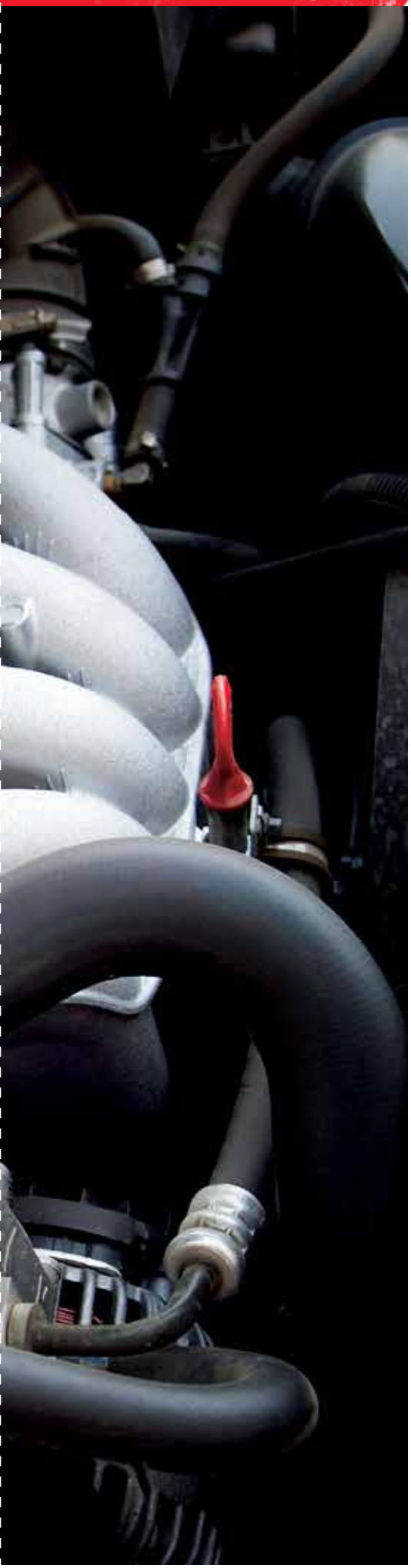
Material Number Table	1L VSW*
LHM Plus Fluid	VE15900
SynPower Power Steering Fluid	VE18320

ENGINE CARE

EASY AND EFFECTIVE SOLUTIONS FOR ENGINE PROBLEMS AND CAR MAINTENANCE

Valvoline oil, fuel and coolant additives and workshop chemicals deliver outstanding results, and quickly. The premium formulations simplify maintenance by cleaning effectively and offer lasting protection of systems and components.







FUEL TREATMENTS

MORE PROTECTION, MORE PERFORMANCE, MORE EFFICIENCY

Valvoline Fuel Treatment products are by far the best choice for maximizing your engine's performance and efficiency. Easy and low-cost solutions for a clean engine, maximum fuel economy and ultimate protection.

FUEL TREATMENTS



Fuel Injector & Carburettor Cleaner

Treat your engine with Valvoline Fuel Injector and Carburettor Cleaner, to obtain maximum performance and efficiency. By helping to reduce build-up of contaminants in fuel injectors and carburettor systems, Valvoline Fuel Injector and Carburettor Cleaner cleans and lubricates to restore engine power and reduce fuel consumption while preventing start-up problems or engine hesitation. This product does not contain strong harmful solvents that could damage the fuel system.

- Cleans injectors in a single treatment
- Restores engine performance
- Keeps fuel injectors in a single treatment
- One treatment lasts up to 3,000 kilometers
- Provides carburettor cleaning
- Helps stop corrosion
- Safe for oxygen sensors and catalytic converters



Diesel Fuel Treatment

Valvoline Diesel Fuel Treatment contains detergents specifically designed to remove deposits from diesel injectors. Just as diesel fuel is different from petrol, the detergents used to clean the deposits from diesel injectors are different from detergents used to clean petrol injectors. When sulfur is removed from diesel fuel, it needs help to lubricate injector pumps and injectors.

- Keeps injectors clean
- Helps remove water from diesel fuel
- Lubricates injectors and fuel pumps when using low-sulfur fuel
- Fights corrosion
- Contains no alcohol



Radiator Stop Leak

Valvoline Radiator Stop Leak is a low-cost method of sealing all types of cooling system seepage and leaks. Radiator Stop Leak features a unique combination of high-molecular natural components and advanced leak-sealing components dispersed in a corrosion inhibited liquid. Designed for use in all types of cooling systems, except for heavy-duty diesel cooling systems.

- Stops radiator leakage in seconds
- Contains only very small particles that will not clog even the smallest engine passages
- Compatible with water and all conventional coolants/ antifreezes
- Contains no metals



Radiator Flush

Valvoline Radiator Flush helps maintain cooling system efficiency and effectiveness by assisting antifreeze in performing a better job of protecting the system. Radiator Flush removes contaminants from the cooling system, so heat transfer is improved and antifreeze can more efficiently cool vital engine parts.

- Radiator Flush helps maintain cooling system efficiency and effectiveness
- Radiator Flush can be used in any cooling system, no matter what type of coolant/ antifreeze is used.

LANGUAGES
* V1: GB, NL, DE, BG, RO, HR, BiH
* V2: GB, RU, DK/NO/SE, FI, HU

Material Number Table	350ML V1*	350ML V2*
Fuel Injector & Carburettor Cleaner	VE55004	VE55005
Diesel Fuel Treatment	VE55084	VE55085
Radiator Stop Leak	VE55204	–
Radiator Flush	VE15584	



ENGINE TREATMENTS

MORE PROTECTION, MORE PERFORMANCE, MORE EFFICIENCY

Valvoline Engine Treatment products are by far the best choice for maximizing your engine's performance and efficiency. Easy and low-cost solutions for a clean engine, maximum fuel economy and ultimate protection.

ENGINE TREATMENTS







Engine Flush

Designed to dissolve sludge gently while an engine idles, Valvoline Engine Flush takes only five minutes to remove thick deposits. Engine Flush is completely safe to use, as hard carbon and varnish are not affected, and the product contains no chlorinated solvents. Engine Flush will not harm gaskets when used as directed. For engines that have accumulated 160,000 kilometers or more, it is recommended that the oil screen should be checked for blockage before using

- Dissolves sludge
- Cleans engine in five minutes
- Opens restricted oil passages
- Frees sticky lifters
- Dissolves power-robbing deposits
- Safe for gaskets

Engine Stop Leak

Elastomeric seals in contact with hot oil tend to shrink, harden and become less pliable. As a result, oil begins to leak out. One solution is to replace the leaking seals, an alternative is simply to add Valvoline Engine Stop Leak to the engine oil. This product contains a synthetic seal swell additive to return seals to their original size and help them regain pliability. Engine Stop Leak will only swell seals until they reach their original size. Engine Stop Leak also contains a viscosity index improver to reduce leaking until the seals are revitalized. If seals are broken or cracked, they must be replaced to stop the leak

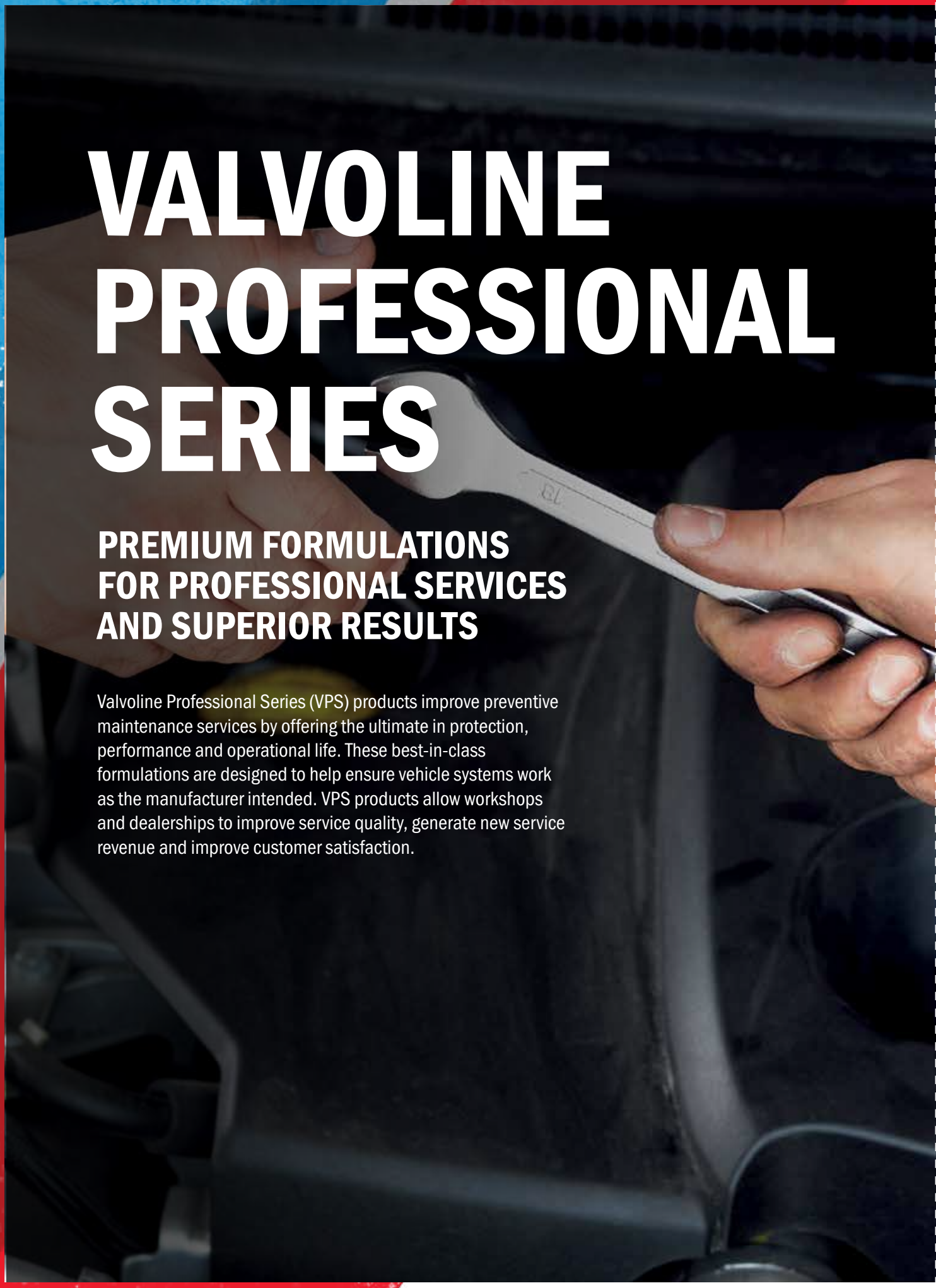
- Reduces oil leaks from main bearing seals
- Helps keep seals soft and pliable
- Compatible with all engine oils
- Improves engine oil viscosity index
- Contains no harmful solvents or solids

Oil Treatment

Valvoline Oil Treatment contains a polymer that increases the viscosity index of engine oil, making the oil more viscous (thicker) at high temperatures without increasing viscosity proportionally at low-temperatures. Engine oil fortified with Oil Treatment still becomes less viscous (thinner) as temperature increases and more viscous (thicker) as temperature decreases, but at a slower rate than non-treated oil. Oil Treatment increases oil viscosity at high temperatures, which helps reduce blow-by and oil burning by helping piston rings form a better seal. Oil Treatment also contains an extreme-pressure additive that helps reduce engine wear

- Minimizes oil consumption
- Reduces friction
- Improves piston ring seal and compression
- Increases lubricity
- Improves viscosity index of oil
- Protects engines from extreme-pressure wear

Material Number Table	350ML	500ML
Engine Flush	VE55124	–
Engine Stop Leak	–	VE55144
Oil Treatment	–	VE55164



VALVOLINE PROFESSIONAL SERIES

PREMIUM FORMULATIONS FOR PROFESSIONAL SERVICES AND SUPERIOR RESULTS

Valvoline Professional Series (VPS) products improve preventive maintenance services by offering the ultimate in protection, performance and operational life. These best-in-class formulations are designed to help ensure vehicle systems work as the manufacturer intended. VPS products allow workshops and dealerships to improve service quality, generate new service revenue and improve customer satisfaction.





FUEL TREATMENTS

PRODUCTS FOR PROFESSIONALS

Valvoline Professional Series products deliver maximum value to consumers and workshops by providing superior professional-grade products to help workshops perform value-added automotive services. From fuel system cleaners to coolant flushes, Valvoline Professional Series products optimize services while generating incremental workshop revenue. Over the years, as vehicle service intervals have been extended. Valvoline Professional Series products have been designed to improve vehicle performance and protection.

Valvoline Professional Series Products:

> Restores and improves performance
> Cleans thoroughly to reduce future wear
> Improves customer satisfaction
> Helps increase service revenue

VPS SYNPOWER FUEL SYSTEM CLEANERS

Modern engines, modern technology

Modern engines have become more technically advanced and more precisely engineered. Even a small amount of carbon deposit (unburnt fuel) can “throw off ” an engine, leading to reduced performance and fuel economy. VPS SynPower Fuel System Cleaners are proven to quickly clean up power-stealing deposits and help maximize value per service. Older technology fuel cleaners may actually increase deposits in modern engines. VPS SynPower Fuel System Cleaners are highly concentrated and use component targeting, generation V synthetic cleaners to eliminate power-stealing deposits in the fuel system.

When to Use?

> Deposits are the result of combustion and need to be removed regularly. One bottle of VPS SynPower Fuel System Cleaner treats up to 75 liters of petrol or diesel and should be used at least during every service to assure that the engine keeps performing at its best. Safe for catalytic converters and particulate filters.







VPS SynPower Fuel System Cleaner Gasoline

> Specific formulas for petrol and diesel engines
> Cleans injectors, intake valves and combustion chambers
> Restores fuel efficiency
> Lowers emissions
> Improves cold start-up
> Safe for use in modern engines
> Ashless formulation
> Eliminates water and condensation

VPS SynPower Fuel System Cleaner Diesel

> Specific formulas for petrol and diesel engines
> Cleans injectors, intake valves and combustion chambers
> Restores fuel efficiency
> Lowers emissions
> Improves cold start-up
> Safe for use in modern engines
> Ashless formulation
> Eliminates water and condensation

Material Number Table	350ML
VPS SynPower Fuel System Cleaner Gasoline	VE55301
VPS SynPower Fuel System Cleaner Diesel	VE55281

MAXLIFE FUEL SYSTEM CLEANERS

Higher kilometers, different needs

Engines with higher kilometers have different needs. MaxLife products are a superb remedy against the effects of aging in both petrol and diesel engines to help extend the life of a vehicle. MaxLife Fuel System Cleaners are specifically designed for higherkilometer engines, using powerful additives to clean and protect the fuel system. By removing combustion chamber deposits and thoroughly cleaning key fuel system parts, it helps to restore power output, improve fuel efficiency, reduce emissions, in turn, maximizing engine life. These products are alcohol free and are safe for use with catalytic converters and will not harm oxygen sensors.

When to Use?

> One bottle treats up to 75 liters of petrol or diesel. Drivers will experience a real difference after a single application and continued use will help return the engine to optimum performance. It is recommended to use the products every 5,000 kilometers or at least at every oil change, as higher kilometer vehicles can produce more fuel system deposits.







MaxLife Fuel System Cleaner

> Cleans through to combustion chamber deposits
> Lubricates pumps and injectors
> Improves combustion and engine power
> Reduces emissions, knocks and pre-ignition
> Eliminates water and condensation

MaxLife Diesel System Cleaner

> Cleans through to combustion chamber deposits
> Lubricates pumps and injectors
> Improves combustion and engine power
> Reduces emissions, knocks and pre-ignition
> Eliminates water and condensation

Material Number Table	350ML
MaxLife Fuel System Cleaner	VE55220
MaxLife Diesel System Cleaner	VE55240



COOLING TREATMENTS

THE ULTIMATE IN BEST-IN-CLASS PROTECTION AND FUEL ECONOMY

Valvoline Professional Series Engine Treatment products focus on taking away the cause of the problem instead of the result. Preventive maintenance service is key within our best-in-class formulations. Offering the ultimate in protection, performance and fuel economy.

VPS RADIATOR FLUSH

Promotes optimum cooling efficiency

VPS Radiator Flush helps maintain cooling system efficiency and effectiveness by assisting antifreeze in performing a better job of protecting the system. By removing contaminants from the cooling system, heat transfer is improved and antifreeze can more efficiently cool vital engine parts.

If contaminants are allowed to accumulate, they not only interfere with heat transfer but also can cause galvanic corrosion. VPS Radiator Flush is a powerful combination of surfactants, detergent cleaners and acid neutralizers. The product was specially formulated to quickly emulsify oil, scum and sludge, and to remove loose rust and scale from all areas of the cooling system.



VPS Radiator Flush

- Removes contaminants to maintain cooling efficiency
- Emulsifies oil and sludge to prolong life of the radiator
- Removes rust and scale, and prevents build-up of acids and contaminants

Material Number Table	350ML
VPS Radiator Flush	VE55186

VPS ENGINE FLUSH

Five-minute engine clean up

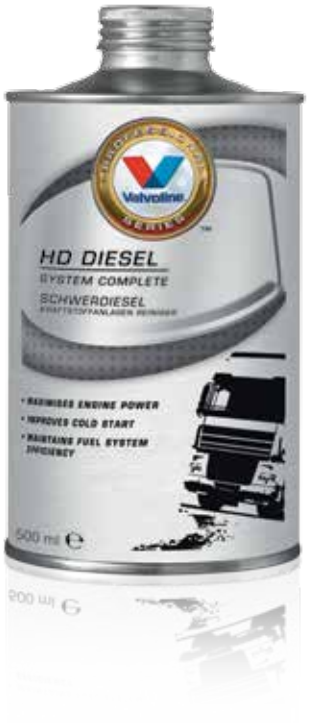
VPS Engine Flush is one of the latest generations of automotive products for today's demanding automotive engines. VPS Engine Flush is a premium engine cleaner that will not harm the engine, ring seating, valve guides or seals, nor does it contain additional additives that can adversely affect engine oils.



VPS Engine Flush

- Cleans oil pathways to improve oil flow to critical engine components
- Reduces sludge and other harmful deposits from the engine and oil pan

Material Number Table	350ML
VPS Engine Flush	VE55126



HD CHEMICALS

COST-EFFECTIVE WAY TO IMPROVE PERFORMANCE, REDUCE DOWNTIME AND INCREASE PROFITS

Valvoline Professional Series HD Chemicals have unique formulations to restore the engine back to its original power and performance, boosting additives to improve efficiency and effectiveness and eventually reduce downtime and increase profits.



VPS HD Diesel System Complete

VPS HD Diesel System Complete cleans and restores the complete fuel system of the heavy-duty diesel engine, restoring the engine back to its original power and performance, without the need for a higher cetane number fuel. The product emulsifies the fuel from water condensation and protects against rust and corrosion, while the flow improver guarantees a smooth start-up at cold temperatures. The chemical composition of the product stabilizes the fuel and prevents fuel aging and bacterial contamination.

VPS HD Diesel System Complete reduces downtime for maintenance by keeping the engine clean, reducing wear, and helping the engine run smoother and more efficiently. Add VPS HD Diesel System Complete to the fuel tank before refilling. One bottle is enough for 1,000 liters of fuel.

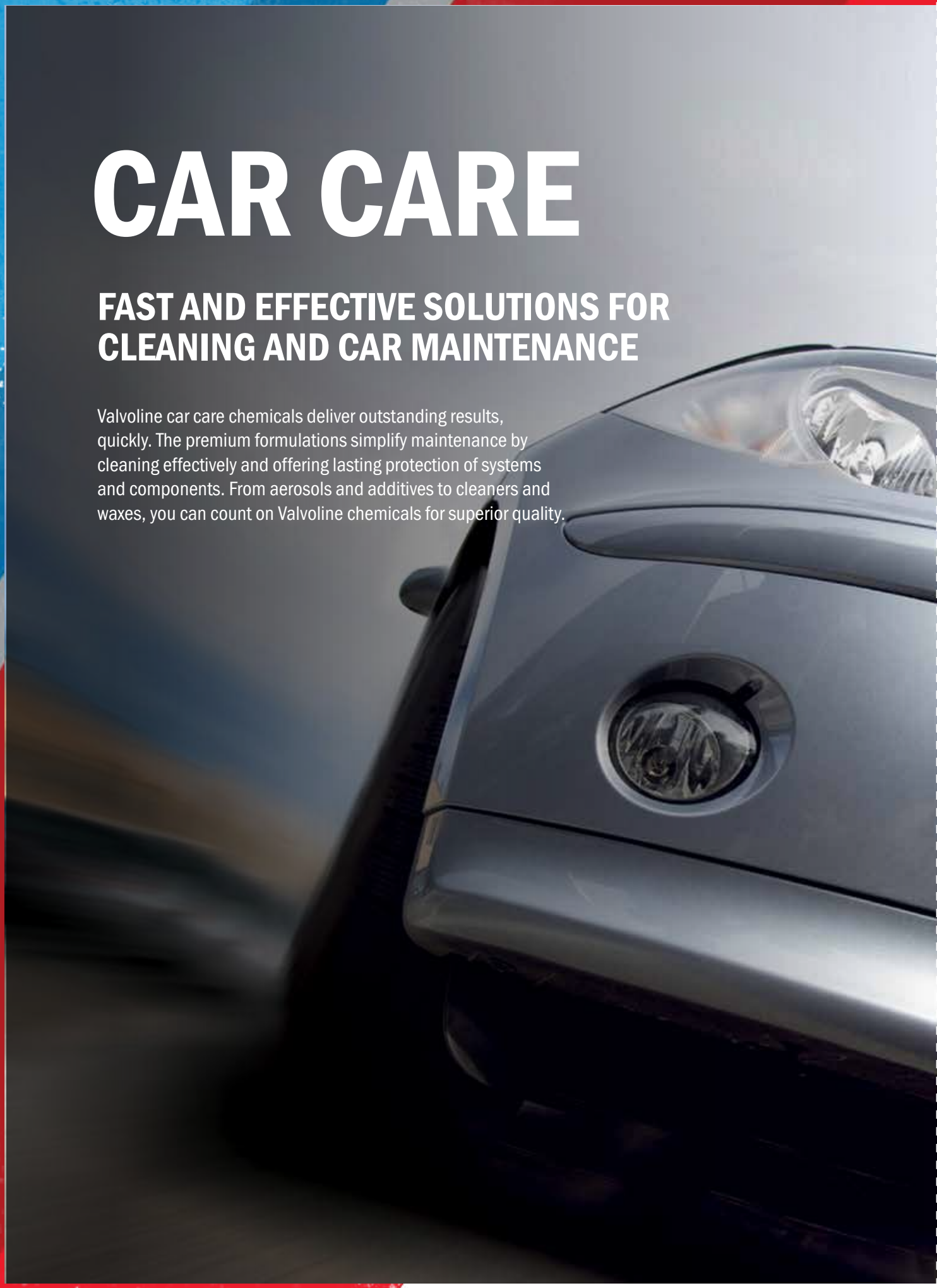
- Cleans the entire fuel injection system
- Maximizes power and performance of all heavy-duty diesel engines
- Removes deposits, cleans injectors and restores spray patterns
- Reduces emissions caused by deposits and incomplete combustion
- Lubricates injectors and fuel pumps if running on low-sulphur diesel
- Helps maintain cold start-up properties
- Provides corrosion protection to fuel system
- Removes bacteria in fuel tank caused by water contamination
- Reduces downtime and maintenance costs by keeping fuel system clean and reducing wear

Material Number Table	500ML	192L	203L
VPS HD Diesel System Complete	VE55340	–	VE55341

CAR CARE

FAST AND EFFECTIVE SOLUTIONS FOR CLEANING AND CAR MAINTENANCE

Valvoline car care chemicals deliver outstanding results, quickly. The premium formulations simplify maintenance by cleaning effectively and offering lasting protection of systems and components. From aerosols and additives to cleaners and waxes, you can count on Valvoline chemicals for superior quality.







CLEANING

LONGLASTING ENGINE PROTECTION THROUGH FAST, EFFECTIVE AND THOROUGH CLEANING SOLUTIONS

Quickly and effectively penetrate and remove the most harsh contaminants instantly with easy to use Valvoline cleaning products offering your engine long lasting protection.







Engine Cleaner

Engine Cleaner quickly penetrates grease, dirt, oil and grime to swiftly remove contaminants.

- Removes emulsified oil and dirt
- Cleans engine parts
- All purpose degreaser
- Safe for electrical and engine components

Carburettor Cleaner

Carburettor Cleaner provides powerful cleaning of gum, varnish, carbon and grime in a formula that meets VOC regulations.

- Effective cleaners leave no deposits
- Cleans throttle body, carburettors and choke
- Contains no chlorinated solvents
- Safe for oxygen sensors and catalytic converters

Brake Cleaner

Brake Cleaner removes brake fluid, grease, oil and brake dust instantly.

- Suitable for brake parts, pads, linings, drums, rotors, calipers and springs
- Leaves no residue
- Non-flammable and non-conductive

[Instruction video]

Material Number Table	400ML	500ML	500ML SW
Engine Cleaner	–	VE54240	–
Carburettor Cleaner	–	VE54100	–
Brake Cleaner	–	745935	745936



Clean Tronic

Clean Tronic cleans, protects and lubricates electrical contacts in a single package.

- Eliminates the need for more than one product
- Removes contaminants effectively
- Protects against rust and corrosion

Material Number Table	400ML	500ML	500ML SW
Clean Tronic	750703	–	–



EGR + Turbo Cleaner

EGR + Turbo Cleaner is a blend of selected solvents, carefully formulated to remove deposits on EGR valve and turbo systems. It quickly removes gum, varnish, carbon and dirt.

- Cleans EGR valves and Turbo chargers
- Leaves no residue
- Restores engine performance

[Instruction video]

Material Number Table	400ML
EGR + Turbo Cleaner	742847



LUBRICATION

THE BEST PRODUCTS FOR A SMOOTH RIDE

Excellent features for fast acting and effective lubrication, waterproofing and protective purposes to make your ride as smooth as it will ever be.



Silicone Spray

Silicone Spray is a light duty lubricant that lubricates, waterproofs and protects, leaving no sticky residue.

- Suitable for door hinges, rubber mountings, drawers, windows and sliding doors
- Non-staining
- Stops squeaks and sticking

[Instruction video]



Penetrating Oil

Penetrating Oil, effectively loosens and lubricates corroded parts and threads.

- Frees bolts, nuts and other fasteners
- Special lubricants eliminate squeaks
- Provides long lasting protection

[Instruction video]



White Grease

White Grease penetrates tiny crevices, forming a lubricating grease that stays exactly where it's sprayed.

- Suitable for all metal-to-metal applications
- Non-hardening, non-dripping and non-staining formula
- Water and heat resistant
- Fights rust and corrosion

[Instruction video]

Material Number Table	400ML
Silicone Spray	750511
Penetrating Oil	750386
White Grease	750530



High Pressure Lubricant + PFTE

High Pressure Lubricant protects metal parts against wear and corrosion in extreme conditions.

- The freshly sprayed product reaches every square millimeter
- Contains PTFE for smooth lubrication
- Performs over a wide temperature range between -50°C to +250°C



Multi Spray

Multi Spray is a blend of fast-acting super-penetrating solvents that evaporate, leaving a thin transparent protective film, rapidly loosens corroded fastenings and penetrates quickly. Annoying squeaks are silenced by friction-reducing lubricants. Cleans and protects all metals from rust and corrosion. Use to loosen, dry, protect, lubricate and clean.

- Penetrates, loosens, lubricates, and protects metal parts from rust and corrosion
- Dries wet ignitions
- Preserves battery terminals from corrosion

[Instruction video]

Material Number Table	400ML	500ML
High Pressure Lubricant + PFTE	–	VE54140
Multi Spray	VE54330	–



APPEARANCE

LOVE YOUR CAR EVEN MORE WHEN NEW CAR LOOKS ARE RESTORED

Restoring the new car showroom look with high-gloss shine varnish, bright clean windows and sweet smelling interior makes you love your car even more.







Cockpit Spray

Cockpit Spray restores that new car look without leaving a sticky coating.

- Anti-static film repels dust
- Restores fading and cracking of vinyls
- Shields against ultraviolet damage
- New silicon-free formula

Glass Cleaner

Glass Cleaner is a stay on foam that - effectively cleans and brightens all glass surfaces without streaking.

- Balanced formula resists fogging
- Powerful cleaners remove mud, insects and bird droppings
- Solvents effectively remove stubborn oil and road grime

Proshine Wax

Proshine Wax offers cleaning and high-gloss shine in one easy application.

- High-quality waxes deliver a high-gloss shine
- Durable formula for lasting protection
- Easy to apply and remove
- Ideal for cars, trucks and motorcycles

Material Number Table	400ML	500ML
Cockpit Spray	750586	–
Glass Cleaner	–	VE54060
Proshine Wax	–	VE54280



SPEC

SPECIALTY

A HIGH QUALITY SOLUTIONS RANGE FOR SPECIALTY CAR CARE APPLICATIONS

Specialty solutions range focussing on high quality, protection and ease of use for all other car care applications.



Motor Start

Motor Start provides smooth starts in a variety of weather conditions.

- Starts petrol and diesel engines quickly
- Reduces power loss of batteries
- Also works on lawnmowers, trimmers, chain saws, motorcycles, etc.



Copper Spray

Copper Spray protects seals and threads from the damaging effects of moisture.

- Removes nuts and bolts easily
- Performs over an extremely wide temperature range (-30°C to +1200°C)



Zinc Spray

Zinc Spray provides excellent protection for welded seams when repairing bodywork.

- Creates a quick drying, self-sealing coating
- Acts as an excellent primer for most paint systems
- Helps slow down corrosion of iron and steel



White Synthetic Chainlube

For all chains in on-road or off-road vehicles.

- O-ring and X-ring safe
- Ensures maximum chain and sprocket life
- Easy application with visible indication (white film)
- Ready quickly (10-15 minutes after application)
- Excellent bonding to metals
- Maximum anti-wear protection

Material Number Table	400ML
Motor Start	752591
Copper Spray	750454
Zinc Spray	750590

Material Number Table	100ML	400ML
White Synthetic Chainlube	VE54321	VE54322

TECTYL PROTECTIVE PRODUCTS

THE DRIVING FORCE IN RUST PROTECTION

Valvoline Tectyl protective products are designed for short- and long-term, indoor and outdoor metal surface protection. Tectyl products offer ultimate protection for metal surfaces against the damaging effects of moisture, chloride and corrosion. The broad range of Tectyl products offers ultimate protection and performance to protect metals from these corrosive attributes. New solutions have been developed to address recent market trends. In case of the Tectyl product line we can state that water-based and non-solvent products are superior options when environmental, health and safety regulations impact product requirements. In addition to rust prevention, Tectyl also consists of a complete line of sound damping products, consisting of various visco-elastic and sprayable silencers, suitable for many industries where vibrating resonances of metals must be reduced.





TECTYL RUST PREVENTION

ULTIMATE PROTECTION FOR YOUR CAR

Whenever you need to protect against the corrosive effects of moisture, there is a product in our Tectyl range which can do the job perfectly. Since 1930, Tectyl products have been one of the most successful rust preventatives in the industry. Today, the formulation has been enhanced to meet the needs of do-it-yourself and other non-industrial users.



Tectyl Bodysafe Wax

A wax/asphaltic compound for the protection against corrosion. Perfect for the protection of the underbody of the car as well as tanks, gas lines, emergency brake cables and hydraulic brake lines. Cures to a relatively firm, bronze, resilient, tough and abrasion resistant film.



Tectyl ML

Ideal for the protection of automotive hollow sections like door panels, side sills and frames. This petroleum waxbased product is designed to penetrate deeply into crevices to prevent corrosion. Do not forget to pay special attention to places where water can collect, such as corners and seams. Tectyl ML is also available with an attachment containing a special nozzle set for difficult-to-apply areas.



Tectyl ML Greenline

The green alternative for the ML. Ideal for the protection of automotive hollow sections like door panels, side sills and frames. With almost no solvent, ML Greenline can protect a big area with just a thin dry-layer thickness. This wax based product is designed to penetrate deeply into crevices to prevent corrosion without generating smell.

Tectyl ML Greenline is delivered with an attachment, containing a special nozzle set for difficult-to-apply areas.



Tectyl Multi Purpose Clear

Tectyl Multi Purpose Clear has been specially designed for use as a versatile protector and provides an excellent barrier against corrosive environments for ferrous and non-ferrous fabrications, industrial components, parts and many more. Tectyl Multi Purpose Clear is an excellent corrosion preventative for the storage or transit protection of finished and unfinished automotive parts. Applying is fast and easy, because Tectyl Multi Purpose Clear can be applied direct to metal.

Because of the transparent, flexible coating, which is also overpaintable, Tectyl Multi Purpose Clear can be used almost everywhere.

Material Number Table	400ML	600ML	1L VC	1L PT	5L
Tectyl Bodysafe Wax	–	VE20030	–	–	–
Tectyl Bodysafe Wax with attachment	–	VE20100	–	–	–
Tectyl Bodysafe	–	–	VE20050	VE20035	VE20040
Tectyl 550 ML	–	–	VE20080	–	VE20070
Tectyl ML Greenline with attachment	–	782375		–	–
Tectyl Multi Purpose Clear	816702	–	–	–	–

Material Number Table	600ML V1*	600ML V2*
Tectyl ML	VE20065	859973
Tectyl ML with attachment	VE20110	859972

Languages:
*V1: GB, NL, FR, DE, IT
*V2: GB, DK, FI, NO, SE, PL, RU, EE



Tectyl 190 Grey/Black

Ideal protection against corrosion and abrasive damage, for the underbodies of cars, trucks, trailers, etc., Tectyl 190 is fast drying and can be painted over. Available as a grey or black, rubber-resin-based compound, the product cures to a firm, resilient and tough film.



Tectyl Multi Purpose 506

As a general purpose corrosion inhibitor, Tectyl Multi Purpose/506 cannot be beaten. A powerful water-displacing compound, it is suitable for a wide range of applications, such as vehicle rust proofing, as well as the protection of machinery and parts in storage. Tectyl Multi Purpose/506 cures to an amber colored, waxy, transparent, firm film.



Tectyl Amber

Tectyl Amber is a product with good water displacing properties, excellent penetration and corrosion protection. By applying a thin film on the center of a wheel hub and in the center of a wheel rim, corrosion is avoided, which can lead to “non-removable wheels.” Tectyl Amber is a versatile protective coating for a wide variety of applications.



Tectyl Glashelder/Klar

A resin-based, colorless, corrosion preventive compound. Tectyl Glashelder/Klar can be applied on tools: gardening, household, automotive, marine and industrial. It is also an excellent moisture repellent when used on electrical wiring in motor vehicles.

Material Number Table	400ML	500ML	1L VC
Tectyl 190 Black	–	VE20000	VE20005
Tectyl 190 Grey	–	VE20010	–
Tectyl Glashelder/Klar	VE20055	–	–
Tectyl Amber	VE20020	–	–

Material Number Table	400ML V1*	400ML V2*	5L
Tectyl Multi Purpose 506	VE20086	860195	VE20090

Languages:
*V1: GB, NL, FR, DE, IT
*V2: GB, DK, FI, NO, SE, PL, RU

PRODUCT OVERVIEW

Material Number Table	1L	4L	5L	20L	60L	208L	1000L	BULK
SynPower Xtreme XL-III 5W-30	842039	842040	842051	842052	842056	842055	842054	842053
SynPower Xtreme MST C3 5W-30	842036	842037	–	842038	842060	842059	842058	842057
SynPower Xtreme MST C3 5W-40	842033	–	842034	842035	859974	842072	845803	842071
SynPower Xtreme MST C4 5W-30	841958	–	841959	841960	–	842074	–	842073
SynPower Xtreme ENV C1 5W-30	841953	–	841955	842032	–	842080	–	842079
SynPower Xtreme ENV C2 5W-30	841956	841957	–	842031	856922	842077	842076	842075
SynPower Xtreme ENV C2 SAE 0W-30	857211	–	857212	857213	–	857214	–	
SynPower Xtreme B-Tec C3 5W-30	854356	–	854357	854358	–	854359	–	849889
SynPower FE 0W-30	691572	691342	–	691341	–	VE11338	678120	VE11339
SynPower FE 5W-20	839697	–	839696	839695	–	839694	–	839693
SynPower FE 5W-30	732272	–	732273	742839	722698	722699	722697	722089
SynPower 0W-20	782105	–	–	–	–	782108	739724	–
SynPower 0W-40	VE11220	VE11227	VE11231	–	–	–	–	VE11239
SynPower 5W-30	VE11240	VE11247	–	691250	VE11257	VE11258	VE11255	VE11259
SynPower 5W-40	VE11260	VE11267	VE11271	VE11266	VE11277	VE11278	VE11275	VE11279
MaxLife 5W-40	VE18040	VE18047	–	–	–	VE18058	–	VE90415
MaxLife FE 5W-30	VE18060	VE18067	VE18071	VE18066	–	–	–	VE90383
MaxLife 10W-40	706347	706348	706480	VE17906	VE17917	VE17918	714354	VE17919
MaxLife Diesel 10W-40	VE18020	–	VE18031	–	–	–	–	–
MaxLife 15W-40	706349	VE17987	–	–	–	–	–	VE17999
DuraBlend MXL 5W-40	VE11740	VE11747	–	–	VE11757	VE11758	VE11755	VE11759
DuraBlend FE 5W-30	VE11720	VE11727	VE11731	VE11726	VE11737	VE11738	VE11735	VE11739
DuraBlend Diesel 5W-40	VE12500	–	VE12511	–	VE12517	VE12518	–	VE12519
DuraBlend 10W-40	VE11640	VE11647	VE11651	VE11646	VE11657	VE11658	VE11655	VE11659
DuraBlend Diesel 10W-40	VE12520	–	VE12531	–	–	–	–	–
VR1 Racing 5W-50	VE11900	VE11907	–	–	–	VE11918	–	–
VR1 Racing 10W-60	VE11920	–	VE11931	–	–	VE11938	–	VE90210
VR1 Racing 20W-50	VE11940	–	VE11951	–	–	VE11958	–	VE90212
All-Climate 15W-40	798410	808937	798408	–	798406	798405	–	798404
All-Climate 20W-50	798415	–	798414	–	–	798412	–	798411
All-Climate Extra 10W-40	834153	834152	834150	–	834431	834147	834146	834145
ProFleet LS 5W-30	–	–	797173	797172	–	797004	848268	796747
ProFleet 5W-30	–	–	–	614447	–	VE13938	VE13935	VE90185
ProFleet LS 10W-40	–	–	VE13971	VE13976	–	VE13978	VE13975	VE90186
ProFleet 10W-40	–	–	VE13911	VE13906	–	VE13918	VE13915	VE13919
All-Fleet Extreme LE 5W-40	–	–	–	–	–	802221	848301	848345
All-Fleet Extreme LE 10W-40	–	–	–	851886	–	851885	851884	849701
All-Fleet Superior LE 10W-40	–	–	–	824907	–	824906	824908	825007
All-Fleet Superior 10W-40	–	–	–	807011	–	806950	848269	806587
All-Fleet Extreme 10W-40	–	–	606078	VE13766	VE13777	VE13778	VE13775	VE13779
All-Fleet Extra LE 15W-40	–	–	781679	703678	–	707479	842871	692639
All-Fleet Extra 15W-40	–	–	VE13711	VE13706	VE13717	VE13718	VE13715	VE13719
All-Fleet 15W-40	–	–	VE12671	VE12666	VE12677	VE12678	VE12675	VE12679
All-Fleet 20W-50	–	–	–	VE12705	–	VE12718	–	VE12719
All-Fleet GEO LA-40	–	–	–	–	–	836712	861617	861935
Valvoline GEO Plus LA-40	–	–	–	–	–	833832	833831	833610
HD 10W	–	–	–	VE12606	–	608865	VE12615	VE90188
HD 30	–	–	–	VE12726	–	VE12738	–	VE12739
Premium Blue Extreme 5W-40	–	–	–	703679	–	VE17778	VE17775	745241

Premium Blue Superior 10W-40	–	–	842840	842839	–	842838	–	842837
Premium Blue Extra 15W-40	–	–	–	781980	–	782071	848267	792669
Premium Blue 15W-40	–	–	VE17711	VE17706	–	VE17718	VE17715	VE17719
Premium Blue GEO 15W-40	–	–	–	750584	–	750585	811518	750523
Premium Blue GEO-LA 40	–	–	–	–	–	VE17758	790310	VE17759
Premium Blue GEO-MA 40	–	–	–	–	–	844938	852504	–
SynPower 2T	862065	–	–	–	–	–	–	VE90251
DuraBlend 2T	862010	–	–	–	–	–	–	VE14119
DuraBlend Scooter 2T	862064	–	–	–	–	–	–	VE14719
SynPower 4T 10W-40	862066	VE14007	–	–	–	VE14018	–	VE14019
SynPower 4T 10W-50	862067	796017	–	–	796016	796015	–	795883
Synpower 4T 10W-30	861911	861870	–	–	–	–	–	–
SynPower 4T 5W-40	862060	–	–	–	–	–	–	VE90252
DuraBlend 4T 10W-40	862061	VE14207	–	–	VE14217	VE14218	–	VE14219
DuraBlend 4T 20W-50	862063	–	–	–	–	732928	–	VE90250
SynPower Fork Oil 5W	795859	–	–	–	–	–	–	795884
SynPower Fork Oil 10W	795860	–	–	–	–	–	–	795885
SynPower Fork Oil 15W	795881	–	–	–	–	–	–	795886
DuraBlend Gear Oil 80W	792208	–	–	–	–	–	–	–
NextGen 10W-40	–	–	–	801217	–	801216	–	799285
All-Fleet Extra NextGen Engine Oil 15W-40	–	–	–	790427	–	790856	848270	792661
SynPower TDL 75W-90	804955	–	–	804956	VE15017	VE15018	VE15015	VE15019
SynPower Xtreme GL-4 75W-80	–	–	–	807231	–	–	–	–
SynPower GL-4 75W-80	801244	–	–	801243	–	801241	–	801220
SynPower GL-5 75W-140	–	–	–	609072	–	VE15838	–	320319
Maxlife MTF GL-4 75W-80	807837	–	–	807836	–	807835	–	807425
Maxlife MTF GL-4 75W-90	807833	–	–	807832	–	807834	–	807426
DuraBlend GL-5 LS 75W-90	807572	–	–	807574	–	–	–	VE15339
DuraBlend GL-5 75W-90	807500	–	–	807499	VE15317	–	–	VE15319
Valvoline TDL 80W-90	–	–	–	–	–	807989	–	807987
Valvoline Xtreme GL-5 80W-90	–	–	–	805120	–	805119	–	806201
Valvoline GL-5 LS 80W-90	805142	–	–	805143	–	805141	–	806202
Valvoline GL-5 80W-90	807239	–	807238	807237	–	807235	–	807234
Valvoline GL-5 85W-140	–	–	816586	807256	–	807255	–	807254
Valvoline GL-5 RPC 75W-80	805146	–	–	805145	–	–	–	806203
Valvoline GL-4 75W-80	808626	–	808627	808628	–	–	–	808519
Valvoline GL-4 80W-90	807324	–	–	807323	–	807322	–	807321
Valvoline GL-4 80W	805148	–	–	–	–	805147	–	806204
SynPower ATF	808223	–	–	–	–	VE14818	–	VE14819
SynPower ATF 134	801938	–	–	801937	–	801936	–	–
SynPower ATF 134 FE	855425	–	–	855424	–	855236	–	–
SynPower DCT VA	793480	–	–	–	–	–	–	–
SynPower ATF +4	808625	–	–	–	–	–	–	–

Material Number Table	1L	4L	5L	20L	60L	208L	1000L	BULK
MaxLife ATF	807497	–	–	807498	VE14937	VE14938	–	VE90384
Maxlife DCT	821636	–	821637	–	–	–	–	–
Maxlife CVT	823551	–	823553	–	–	–	–	–
Valvoline ATF Dex/Merc	807496	–	–	807495	–	VE14838	–	VE14839
Valvoline ATF Type D	807493	–	807492	807494	VE14857	VE14858	–	VE14859

Material Number Table	0.4 kg V1	0.4 kg V2	0.5 kg	18 kg	50 kg	180 kg
SynPower Multi Purpose Grease	-	809496	–	809495	–	809494
Multi Purpose Grease	VE40020	791654	VE40026	VE40034	VE40036	VE40038
Water Resistant Grease	-	811295	–	792476	811294	811293
Moly Fortified MP Grease	VE40000	791653	VE40006	VE40014	VE40016	VE40018
Dipperstick Grease	–	–	–	VE40154	–	–
Semi-Fluid Grease	–	–	–	VE40074	–	VE40078
Lithium No. 2 EP Grease	779181	–	–	VE40054	VE40056	VE40058
Copper Compund	–	–	VE5301	–	–	–

Material Number Table	1L	4L	5L	20L	60L	208L	IBC	BULK
Valmarin TP 1230	–	–	–	–	–	VE16118	–	VE16119
Valmarin TP 1240	–	–	–	–	–	VE16138	–	VE16139
STOU 10W-30	–	–	–	VE17006	–	VE17018	–	VE90327
STOU 15W-40	–	–	–	VE17046	–	VE17058	–	VE17059
UNITRAC 80W	–	–	–	VE17106	–	VE17118	VE17115	VE17119
Ultramax Extreme HVLP ISO 28	–	–	–	–	–	804321	–	–
Ultramax HVLP 32	–	–	–	VE16206	–	VE16218	VE16215	VE16219
Ultramax HVLP 46	–	–	–	VE16226	–	VE16238	VE16235	VE16239
Ultramax HVLP 68	–	–	–	VE16246	–	VE16258	VE91109	VE90318
Ultramax HLP ZF 46	–	–	–	–	–	–	808229	808227
Ultramax HLP 32	–	–	816698	VE16426	–	VE16438	VE90320	VE16439
Ultramax HLP 46	–	–	–	VE16446	–	VE16458	VE16455	VE16459
Ultramax HLP 68	–	–	816699	VE16466	–	VE16478	VE16475	VE16479
Ultraplant ES 46	–	–	–	–	–	VE16618	–	–
Valvoline E.P.G. 100	–	–	–	–	–	VE90957	–	–
Valvoline E.P.G. 150	–	–	–	–	–	VE16738	–	–
Valvoline E.P.G. 220	–	–	–	–	–	VE16758	–	–
Valvoline E.P.G. 320	–	–	–	–	–	VE16778	–	–
DT Transmission Oil 10W	–	–	–	819582	–	VE17818	–	–
DT Transmission Oil 30	–	–	–	756754	–	VE17838	–	–
DT Transmission Oil 50	–	–	–	–	–	VE17858	–	–
Lawnmower Oil	VE15960	–	–	–	–	–	–	–
Durablend Chainsaw 2T	VE15981	–	–	–	–	–	–	–
Super Outboard 2T	VE16020	VE16027	–	–	–	VE16038	–	VE90255
Super Outboard 4T	VE16040	VE16047	–	–	–	714353	–	–

Material Number Table	250ML	500ML	1L VSW	5L	20L	60L	208L	1000L
MaxLife Coolant AF Concentrate	808503	–	808502	808501	808450	808449	808448	808447
Maxlife Coolant 50/50 RTU	808510	–	808509	808508	808507	808506	808505	808504
Screenwasher Antifreeze Concentrate	–	760442	–	–	–	760436	–	–
HD Extended Life Concentrate	–	–	–	–	–	808515	–	–
HD Extended Life 50/50 RTU	–	–	–	808513	–	808516	808512	808511
HD Extended Life -67 RTU	–	–	–	–	–	808514	–	–
Brake & Clutch Fluid DOT 3	–	841201	841202	841203	–	–	–	–
Brake & Clutch Fluid DOT 4	–	841594	841593	841592	–	–	–	–
Brake & Clutch Fluid DOT 5.1	–	–	VE58024	–	–	–	–	–
LHM Plus Fluid	–	–	VE15900	–	–	–	–	–
SynPower Power Steering Fluid	–	–	VE18320	–	–	–	–	–

Material Number Table	350ML V1	350ML V2	1L	5L	20L	60L	208L	1000L
Fuel Injector & Carburettor Cleaner	VE55004	VE55005	–	–	–	–	–	–
Diesel Fuel Treatment	VE55084	VE55085	–	–	–	–	–	–
Radiator Stop Leak	VE55204	–	–	–	–	–	–	–
Radiator Flush	VE15584	–	–	–	–	–	–	–
Engine Flush	VE55124	–	–	–	–	–	–	–
Engine Stop Leak	–	–	VE55144	–	–	–	–	–
Oil Treatment	–	–	VE55164	–	–	–	–	–

Material Number Table	350ML V1	350ML V2	350ML V3	1L	4L	5L	20L
VPS SynPower Fuel System Cleaner Gasoline	VE55301	–	–	–	–	–	–
VPS SynPower Fuel System Cleaner Diesel	VE55281	–	–	–	–	–	–
MaxLife Fuel System Cleaner	VE55220	–	–	–	–	–	–
MaxLife Diesel System Cleaner	VE55240	–	–	–	–	–	–
VPS Radiator Flush	VE55186	–	–	–	–	–	–
VPS Engine Flush	VE55126	–	–	–	–	–	–
VPS HD Diesel System Complete	VE55340	–	–	–	–	–	VE55341

Material Number Table	350ML	400ML V1	400ML V2	400ML V3	500ML V1	500ML V2	500ML V3	1L
Engine Cleaner	–	–	–	–	VE54240	–	–	–
Carburettor Cleaner	–	–	–	–	VE54100	–	–	–
Brake Cleaner	–	–	–	–	745935	745936	–	–
Clean Tronic	–	750703	–	–	–	–	–	–
EGR + Turbo Cleaner	–	742847	–	–	–	–	–	–
Silicone Spray	–	750511	–	–	–	–	–	–
Penetrating Oil	–	750386	–	–	–	–	–	–
White Grease	–	750530	–	–	–	–	–	–
High Pressure Lubricant + PFTE	–	–	–	–	VE54140	–	–	–
Multi Spray	–	VE54330	–	–	–	–	–	–
Cockpit Spray	–	750586	–	–	–	–	–	–
Glass Cleaner	–	–	–	–	VE54060	–	–	–
Proshine Wax	–	–	–	–	VE54280	–	–	–

Material Number Table	100ML VS1	100ML VS2	100ML VS3	400ML V1	400ML V2	400ML V3	500ML V1	500ML V2	500ML V3
Motor Start	–	–	–	752591	–	–	–	–	–
Copper Spray	–	–	–	750454	–	–	–	–	–
Zinc Spray	–	–	–	750590	–	–	–	–	–
White Synthetic Chainlube	VE54321	–	–	VE54322	–	–	–	–	–

Material Number Table	400ML	500ML	600ML	1L	5L
Tectyl Bodysafe Wax	–	–	VE20030	–	–
Tectyl Bodysafe Wax with attachment	–	–	VE20100	–	–
Tectyl Bodysafe	–	–	–	VE20050	VE20040
Tectyl 550 ML		–	–	VE20080	–
Tectyl ML	–	–	VE20065	–	–
Tectyl ML with attachment	–	–	VE20110	–	–
Tectyl ML Greenline with attachment	–	–	782375	VE20110	–
Tectyl 550 ML	–	–	–	VE20080	VE20070
Tectyl 190 Black	–	VE20000	–	VE20005	–
Tectyl 190 Grey	–	VE20010	–	–	–
Tectyl Multi Purpose 506	VE20086	–	–	–	VE20090
Tectyl Amber	VE20020	–	–	–	–
Tectyl Glashelder/Klar	VE20055	–	–	–	–

GLOSSARY

ACEA
Association des Constructeurs Europeens d'Automobiles. The European Committee responsible for lubricant classification and specification.

AFNOR
Association Français de Normalisation

AGMA
American Gear Manufacturer's Association

Antiwear Additives
Antiwear additives or their reaction products, form thin, tenacious films on highly loaded parts to prevent metal to metal contact and wear.

API
American Petroleum Institute.

API SJ
API motor oil quality level for 2001 and older automotive engines

API SL
API motor oil quality level for 2004 and older automotive engines

API SM
API motor oil quality level for 2010 and older automotive engines

ASTM
American Society for Testing and Materials

ATA
American Trucking Association

ATF
Automatic transmission fluid

AW
Anti-wear

C-4
Allison ATF specification

CEC
California Energy Commission

CEC
Coordinating European Council

CES
Cummins Engineering Specification

CG
Conventional gasoline

CI
Cetane index

CNG
Compressed natural gas

CRT
Constantly regenerating trap

CVT
Continuously variable transmission

DCT
Dual clutch transmission

Detergent
An additive to keep engine parts clean. These are normally metallic soaps with a reserve of basicity to neutralize acids formed during combustion.

DEXRON
General Motors ATF specification

Dispersant
An additive that helps keep solid contamination in the oil in a colloidal suspension, preventing sludge and varnish.

DPF
Diesel Particulate Filter

EGR
Exhaust Gas Recirculation

GEO
Natural gas engine oil

GF-5
Passenger car motor oil classification (ILSAC) first licensed Oct 1, 2010

GM
General Motors

GO-J
Mack gear oil specification

ILSAC
International Lubricant Standardization and Approval Committee

ISO
International Organization for Standardization

JASO
Japanese Automotive Standards Organization

Low SAPS
A term being used to describe new formulation lubricants which are designed to be compatible with DPF systems. They take the name low-SAPS from their reduced content of sulphated ash, phosphorous and sulphur chemicals.

LNG
Liquefied natural gas

MB
Mercedes-Benz

MERCON
Ford ATF specification

MTU
Manufacturer of large diesel engines

NLGI
National Lubricating Grease Institute (U.S.)

NMMA
National Marine Manufacturers Association

OEM
Original Equipment Manufacturer

SAE
Society of Automotive Engineers

SHPD
Super High-Performance Diesel lubricant

SCR
Selective Catalytic Reduction

SULPHATED ASH
The ash content of oil. This is a measure of the ash antiwear metals contained in the components in the oil

STOU
Super tractor oil universal

TBN
Total Base Number is the measure of pH of the oil. It is calculated from the amount of the alkaline needed to neutralize the oil's acidity.

TUV
Technischer überwachungs Verien

TO-4
Caterpillar transmission oil specification

UHPD
Ultra High-Performance Diesel.

VI
Viscosity index

ZF
German gear manufacturer ZF Friedrichshafen (Zed F)

VISCOSITY GRADE

The viscosity grade–a measure of the oil's ability to flow–is one of the most important factors when selecting an engine oil. The Society of Automotive Engineers (SAE) has devised a classification system based on viscosity measures. When the oil is warm, it will flow more easily than when the oil temperature is cold. The correct viscosity grade ensures that the oil is thin enough to flow around the engine during cold start-up yet thick enough to protect properly as the engine heats up during operation.
There are two types of SAE classifications: mono-grade and multi-grade. Mono-grade oil such as SAE 30 has certain cold weather limitations and may not flow freely enough to protect the engine in very cold weather conditions. Multi-grade oil such as SAE 10W-40 can be used across a broad range of temperatures. These oils are widely used because they allow easy starting and pumping at low-temperatures, yet they remain thick enough at high temperatures to provide effective lubrication. The "W" stands for "winter" and indicates that the oil meets requirements for low-temperature operation.

INDUSTRY CLASSIFICATIONS

In Europe, the specifications of the Association des Constructeurs Européens d' Automobiles (e.g., ACEA A5/B5 for gasoline and diesel engines, and ACEA C1, C2, C3, C4 for catalyst compatible engines) and the American Petroleum Institute (e.g., API SJ) are commonly used. These classifications signify that an engine oil meets the minimum standards set by the industry.
In addition to the ACEA and API performance requirements, certain motor oils meet special vehicle requirements such as the VW 502.00/505.00 for Volkswagen engines or MB 229.3 for Mercedes-Benz engines. All Valvoline products exceed the required ACEA and API classifications. In addition, several products in our ranges have been developed for specific vehicles/engine models. In these instances, Valvoline products exceed the vehicle manufacturers' performance specifications.
To choose a quality oil compatible with your engine you should always read your owner's manual. Your car manufacturer will quote ACEA and/or API classifications and will also mention if a specifically approved lubricant is necessary.

MOTOR OIL SHOULD:

> Permit easy starting and protect the engine at start-up
> Seal tiny gaps between the piston rings and cylinder walls
> Cool moving engine parts by dispersing engine heat
> Keep engine surfaces clean
> Hold foreign deposits in suspension, away from engine parts
> Help prevent rust and corrosion

All oils will perform these functions to a certain degree, but Valvoline products are designed to offer the very best combination of performance and protection, regardless of the operating conditions. Valvoline products meet and exceed the performance requirements of vehicle manufacturers, making Valvoline engine oils the ideal way to protect your investment.




ENGINE
START
STOP



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