Lubricants – Greases

Version: **622/01**

Valvoline™ Earth LiCal Complex 2

High performance Lithium Calcium complex grease developed for use in extreme shock load agricultural, construction and mining applications. Best choice for heavily loaded open gears and applications with slow moving and/or oscillating motion.

Valvoline Earth LiCal Complex 2 is a Lithium Calcium complex thickened lubricating grease formulated with mineral base oil and enhanced with graphite. The special thickener structure gives the grease it's high performance.

Performance levels	
DIN 51502:	OGPF2K-20
ISO 12924:	L-XB(F)CIB2

*Lubricating greases with **graphite** are **not** suitable for rolling bearings at high speed and shouldn't be mixed with other grease soap types.*

Applications

Recommended for lubrication of (heavily loaded) open gears, and coupling devices of trucks and trailers.

Suitable for earth moving equipment like: bulldozers and draglines, caterpillar-sprockets, open gears, sliding surfaces.

Concrete hammering devices on dippersticks. Hinges of the dipperstick.

Suitable for mining applications.

Features & Benefits

Excellent protection
Valvoline Earth LiCal Complex 2 ensures a good mechanical stability, corrosion protection and excellent water resistance, which are critical in wet and corrosive environments. The product helps to extend bearing lifetime.

Excellent performance
The product lubricates and protects under the most severe circumstances like damp and wet conditions. The grease gives excellent wear protection under heavy (shock) loads, protecting the bearings. In the presence of water, a good lubricating film will be maintained, avoiding wash out.

Multipurpose applications
Valvoline Earth LiCal Complex 2 was developed for lubrication of roadbuilding equipment working under hot and dusty conditions where melting-out or dripping would cause damage.

Severe working conditions
The product can even be used in unfavorable working conditions like mining.
Because of the graphite content, the grease is suitable for long-lasting application, reducing the number of re-applications.

VALVOLINE EUROPE
WIELDRECHTSEWEG 39
3316 BG DORDRECHT
NETHERLANDS

PRODUCT INFORMATION

Keeping the world moving since 1866™
Serving more than 100 countries around the globe, Valvoline is a leading marketer, distributor and producer of quality branded automotive and industrial products and services. Products include automotive lubricants; transmission fluids; gear oils; hydraulic lubricants; automotive chemicals; specialty products; greases, and cooling system products.

For more information on Valvoline products, programs and services please visit **www.valvolineeurope.com**

Typical properties
Typical property characteristics are based on current production. Whilst future production will conform to Valvoline specifications, variations in these characteristics may occur.

Earth LiCal Complex 2	
NLGI grade	2
Thickener	Lithium Calcium complex
Colour	Black
Texture	Smooth
Density @ 20°C	1,00
Application temperature ºC	-20 to + 120 (max +130)
Oil Viscosity, mm^2/s @ 40ºC	460
Oil Viscosity, mm^2/s @100ºC	27
Dropping Point, ºC	>260
4-Ball Weld Load, kg	710

This information only applies to products manufactured in the following location(s): Europe

Health & Safety
This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet **http://msds.valvoline.com**

Protect the environment
Take used oil and grease to an authorized collection point. Comply with local regulations. Do not discharge into drains, soil or water.

Storage
We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.

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