Lubricants – Hydraulic oils

Version: **410/02b**

Valvoline™ HLP 46

Hydraulic oil formulated for industrial and earth moving equipment.

Valvoline HLP 46 is a conventional hydraulic oil, formulated with high quality mineral base oils and anti-wear additives to offer solid hydraulic performance in a wide range of applications. Valvoline anti wear hydraulic oils, meeting the DIN 51524 part 2 standard, are available in three ISO viscosity grades (ISO 32, 46, 68).

Performance levels
DIN 51524 (part 2)

Applications

For mobile and static hydraulic applications of industrial and other equipment.

Hydraulic cranes and lifts, loaders, reach trucks, forklifts, excavators, dumpers, loading ramps, and tailboards.

Sometimes recommended for: hydraulic systems of metalworking machines, or circulation systems of industrial machinery.

Features & Benefits

Solid performance
Formulated with high quality mineral base oils and specific additives to protect against corrosion, foaming and sludge forming.

The product can handle small quantities of penetrating dust and resists foaming, caused by access of air via leaking seals.

The product also protects the hydraulic system against rust and corrosion when working in a moist environment.

Consistent viscosity
The product stays in grade during use and shows good viscosity-temperature behavior. Available in three ISO viscosity grades.

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.

Valvoline HLP 46	
Colour, ASTM D-1500	1,5
Viscosity, mm^2/s @ 100 ºC. ASTM D-445	6,7
Viscosity, mm^2/s @ 40 ºC. ASTM D-445	46
Viscosity Index ASTM D-2270	97
TAN; mg KOH/g ASTM D-664	0,8
Pour Point, ºC ASTM D-5949	-30
Specific Gravity @ 15.6°C. ASTM D-4052	0,878
Flash Point, COC, ºC. ASTM D-92	227

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 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.

Replaces – 410/01b

™ Trademark of Valvoline, registered in various countries © 2017

All statements, information and data presented herein are believed to be accurate and reliable, but are not to be taken as a guarantee, an express warranty, or an implied warranty of merchantability or fitness for a particular purpose, or representation, express or implied, for which Ellis Enterprises B.V. and its affiliates assume legal responsibility.

VALVOLINE EUROPE
WIELDRECHTSEWEG 39
3316 BG DORDRECHT
NETHERLANDS