Lubricants – Hydraulic oils

Version: **EEE/44**

Valvoline™ HLPD 46

Industrial detergent hydraulic fluid

Valvoline HLPD 46 is high performance detergent oil produced from solvent neutral base oils with the addition of zinc based additives to ensure extraordinary properties in variety working conditions.

Performance levels
ISO L-HM
ISO 6743-4
ISO 11 158 HM
DIN 51524/2 (HLPD)
Vickers 35VQ25

Applications

Valvoline HLPD 46 is HLP-D oil specially formulated for industial and other hydraulic equipment into which water, dust and abrasive particles can enter (machine tools, earthmoving and forestry machines, construction and mining machines, hydraulic pumps...)

Features & Benefits

Long term stability

High oxidation stability, thus formation of sludge and corrosive acids is prevented at elevated temperatures and at system high pressures

Increased content of zinc dithiophosphate compared to conventional hydraulic oils, thus safe lubrication is enabled with reduced friction and wear of system components and prolonged change interval.

Efficient anticorrosion properties of non-ferrous metals (copper, brass and bronze).

Good antirust protection even in the presence of moisture.

Easy operation

Extraordinary emulsive characteristics, thus fine dispersion of small quantities of moisture in oil is provided, therefore water will not damage hydraulic system components.

Extraordinary antifoaming characteristics, thus forming of bubbles is prevented by reducing surface tension for the purpose of quick release of air from the oil into atmosphere.

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 HLPD 46	
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
Pour Point, ºC ASTM D-97	-27
Specific Gravity @ 15.6°C. ASTM D-1298	0,875
Flash Point, COC, ºC. ASTM D-92	225
Cu corrosion, 3h/100°C, degree ASTM D-130	1

This information only applies to products manufactured by:

Ellis Enterprises East doo Kruševac,
Affiliate of Valvoline
Mike Stojanovića 15, 37000 Kruševac, Serbia
Registration nr: 21368997 / TIN: 110618744

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 **https://sds.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 –

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