

Lubricants – Hydraulic oils

Version: 402/07b

Valvoline™ Ultramax HVLP 46

Premium conventional hydraulic oil formulated for industrial and earth moving equipment.

This range of high viscosity index (VI) hydraulic oils offers superior anti-wear protection and heavy-duty service performance even in extreme climatic conditions.

Performance levels
DIN 51524 (part 3)
ASTM D6158 HM (2005)
Bosch Rexroth RDE 90240
Eaton brochure 03-401-2010
Fives Cincinnati P-68, P-69 and P-70
General Motors LS2 (2004)
ISO 11158 HM (FDIS 2008)
JCMAS HK P041 (2004)
Parker Denison HF-0 (Revision J)
SEB 181 222 (2007)
US Steel 126, 127, 136

Applications

Applications include off-highway equipment subjected to high and low temperatures like hydraulic systems of industrial and earth moving equipment.

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

Hydraulic systems working in very cold or very warm circumstances:

- Forklifts in freezing warehouses
- Lifts in high buildings
- Hydraulic steering cabin of a ship

Available in three ISO viscosity grades: 32, 46, 68.

Features & Benefits

Superior performance

The Ultramax HVLP range is formulated with premium quality mineral base oils and specially selected additives to guarantee a very low pour point, excellent oxidation stability and good flow characteristics.

Superior protection

The Ultramax HVLP hydraulic oil has a high load-carrying capacity and provides good protection against corrosion, foaming, and sludge building. Good anti-wear performance - prevents wear of internal components and reduces downtime.

Consistent viscosity

High viscosity index helps improve system operation over a wide temperature range. Excellent viscosity-temperature properties at very high and very low temperatures. Stable viscosity over a long period. Available in three ISO viscosity grades.

Severe working conditions

Ultramax HVLP hydraulic oils can even be used in unfavorable working conditions, like road building and mining or work in damp conditions. The product can handle small quantities of penetrating dust or water and resists foaming, caused by access of air via leaking seals.

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.

Ultramax HVLP 46	
Colour , ASTM D-1500	1,5
Viscosity , mm ² /s @ 100 °C. ASTM D-445	8,1
Viscosity , mm ² /s @ 40 °C. ASTM D-445	46
Viscosity Index ASTM D-2270	148
TAN; mg KOH/g ASTM D-664	0,6
Pour Point, °C ASTM D-5949	-45
Specific Gravity @ 15.6°C. ASTM D-4052	0,858
Flash Point, COC, °C. ASTM D-92	225

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

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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 – 402/06b