

## Lubricants – Hydraulic oils

Version: **EEE/15a**

# Valvoline™ HVLP 15

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

Valvoline HVLP oils are high performance oils produced from solvent neutral base oils of naturally high viscosity index and suitable additives balanced to meet multiple requirements. This range of hydraulic oils offers superior anti-wear protection and heavy-duty service performance. Valvoline high performance hydraulic oils, meeting the DIN 51524 part 3 standard, are available in nine ISO viscosity grades (ISO 15, 22, 32, 46, 68, 100, 150, 220, 320).

Performance levels
ISO L-HV
ISO 6743-4
ISO 11 158 HV
DIN 51524/3 (HVLP)
AFNOR NF E 48 603 HV
ASTM D 6158 HV
Parker Hannifin (Denison) HF-0
Parker Hannifin (Denison) HF-1/HF-2
Eaton Brochure 03-401-2010
Eaton Vickers I-286-S
Eaton Vickers M-2950-S
AIST (US Steel) 126, 127, 136

## Applications

Valvoline HVLP oils are applied in all hydraulic systems, especially in sensitive systems requiring high safety in operation with big changes in temperatures, pressures and speeds over a long period of time, where conventional hydraulic oils cannot meet the requirements.

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.

## Features & Benefits

### Long term stability

The 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.

-Excellent hydrolytic stability in the presence of moisture provides protection against rust and corrosion.

-Exceptional oxidation and thermal stability allows for extended application of this oil, without deposit formation in hydraulic systems exposed to high pressures and temperatures.

-Efficient anti-corrosion protection properties of non-ferrous metals (copper, brass and bronze).

### Easy operation

Exceptional filtrability characteristics, which are one of the main requirements of the manufacturers of modern hydraulic systems, enable effective oil filtration even under the most severe exploitation conditions and they prevent the harmful effect of the most common contaminants such as water and calcium, which cause filter clogging.

Remarkable demulsibility properties that allow quick water separation in the tank if it penetrates into the hydraulic system; it prevents the creation of harmful emulsion and consequent damage to the oil pump and system.

Fast air separation and absence of oil foaming ensure impeccable operation of hydraulic devices and prevent the appearance of cavitation of the oil pump thus protecting the hydraulic system and oil performances.

## 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](http://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.

<b>Valvoline HVLP 15</b>	
<b>Viscosity</b> , mm <sup>2</sup> /s @ 100 °C. ASTM D-445	4,0
<b>Viscosity</b> , mm <sup>2</sup> /s @ 40 °C. ASTM D-445	15
<b>Viscosity Index</b> ASTM D-2270	160
<b>Pour Point</b> , °C ASTM D-97	-39
<b>Specific Gravity</b> @ 15.6°C. ASTM D-1298	0,882
<b>Flash Point</b> , COC, °C. ASTM D-92	170
<b>Cu corrosion</b> , 3h/100°C, degree ASTM D-130	1a

## This information only applies to products manufactured by:

Ellis Enterprises East doo Kruševac,  
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Registration nr: 21368997 / TIN: 110618744

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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 <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 – EEE/15