

# Product Information

A PRODUCT OF ASHLAND CONSUMER MARKETS, A COMMERCIAL UNIT OF ASHLAND INC.



## Lubricants – Industrial oils

Version: 403/06

### Valvoline™ Ultraplant ES-46

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

Valvoline Ultraplant ES-46 provides outstanding protection and lubrication of hydraulic systems over a wide temperature range. The product is biodegradable and can be used in sensitive eco systems. Suitable for use as ISO 32 and ISO 46 hydraulic oil.

#### Performance levels

CEC-L-33-A92
Swedish Standard SS 155434
CEC-L-33-T 82 (30-99%-21 days)

#### Applications

Suitable for hydraulic systems of industrial and earth moving equipment

Hydraulic cranes and lifts,  
Loaders, reach trucks, forklifts,  
Excavators, dumpers.

Loading ramps,  
Tailboards.

Hydraulic systems working in very cold or very warm circumstances:

Especially recommended for hydraulic systems working in nature, where a spill may occur, like;

Forrest work with skidders etc.  
Waterway locks.  
Mining and tunnel building etc.

#### Features and Benefits

##### Superior performance

Ultraplant ES-46 is formulated with synthetic ester base oils and specially selected additives to guarantee a very low pourpoint, excellent oxidation stability and good flow characteristics.

##### Superior protection

The Ultraplant ES hydraulic oil has a high load-carrying capacity and provides good protection against wear, corrosion, foaming, and sludge building.

##### Consistent viscosity

Excellent viscosity-temperature properties at very high and very low temperatures. Stable viscosity over a long period.  
The very high viscosity index makes it suitable for use as ISO 32 and 46 hydraulic oil.

##### Severe working conditions

Ultraplant ES hydraulic oil can even be used in unfavorable working conditions, like roadbuilding and mining.

The product is biodegradable which makes it suitable for work in sensitive eco systems.

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## Health and Safety

For the health and safety related properties of this product reference is made to the Safety Data Sheet (SDS). A Safety Data Sheet is available on request via your local sales office or via the internet @ <http://msds.ashland.com>

## Protect the Environment

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

## Typical Properties

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

Ultraplant ES-46	
Colour	yellow
Viscosity, mm <sup>2</sup> /s @ 100 °C. ASTM D-445	9,6
Viscosity, mm <sup>2</sup> /s @ 40 °C. ASTM D-445	46
Viscosity Index ASTM D-2270	181
TAN; mg KOH/g ASTM D-664	1,1
Pour Point, °C ASTM D-5950	-36
Specific Gravity @ 15.6°C. ASTM D-4052	0,920
Flash Point, COC, °C. ASTM D-92	312

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

## 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 including MaxLife™, the first motor oil specifically formulated for higher-mileage vehicles; 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.valvolineurope.com](http://www.valvolineurope.com)

## Author:

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Replaces – 403/05

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