

# Product Information



A PRODUCT OF THE VALVOLINE COMPANY A DIVISION OF ASHLAND INC.

## Valvoline Ultraplant ES 32-46

403/04

Valvoline Ultraplant is an Ester based Biodegradable Hydraulic Oil with improved anti-oxidant, anti-wear, and anti-corrosion properties. Because of the very high viscosity index, the product can be used as ISO 32 as well as ISO 46. As a biodegradable hydraulic oil, Valvoline Ultraplant is intended for all applications where losses in nature may occur, (like forest working machines, waterway locks, mining, etc). A spill in nature will result in a bio break down of 99% in 21 days. Valvoline meets the requirements of the "clean lubricants" act, as defined by the City of Gothenburg.

Approvals/performance levels	Viscosity Grade	
CEC-L-33-A92	32	46
Swedish Standard SS 155434	32	46
CEC-L-33-T 82 (30-99%/21 days)	32	46

Typical Properties	46
Viscosity, mm <sup>2</sup> /s @ 100 °C	9.6
Viscosity, mm <sup>2</sup> /s @ 40 °C	46
Viscosity Index	181
TAN; mg KOH/g (ASTM D-664)	1.1
Pour Point, °C	-36
Specific Gravity @ 15/15°C	0.920
Flash Point, COC, °C	312

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

Effective Date:	Replaces:	Author's Initials:	Code
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