

OMV hyd HLP-M 46 is a high-quality multigrade hydraulic oil for heavy-duty hydraulic systems.

Properties

OMV hyd HLP-M 46 is characterised by especially low viscosity-temperature dependence. It has good air separation and demulsifying properties, low foaming tendency and effective protection against corrosion and wear. OMV hyd HLP-M 46 is not reactive to commercial sealants. It covers up to 3 viscosity classes, thereby simplifying storage.

Application

Primarily for heavy-duty, outdoor hydraulic systems that are exposed to a wide range of temperatures. The high viscosity index in many cases allows the use of a lower ISO VG class compared with our oils of the OMV hyd HLP series (for example OMV hyd HLP-M 46 instead of OMV hyd HLP 68), making it significantly easier to start hydraulic units at low temperatures.

Specifications

DIN 51524-3; SEB 181 222-66; ISO 6743-4; VDMA 24318-HVLP, Parker Hannifin France HF-0, Eaton Vickers M-2950-S, Eaton Vickers I-286-S, Cincinnati Machine P-69, Cincinnati Machine P-68, Cincinnati Machine P-70, GM LH-06-1, GM LH-04-1, GM LH-03-1, GM LS-2, JCMAS HK, U.S. Steel 127, U.S. Steel 136, Bosch Variable Volume Vane Pump.

Failure load level DIN 51 354 – 02 - A/8.3/90 – M: >10

Technical data (typical values)

Property	Unit	Value
Viscosity class	ISO VG	46
Viscosity/40°C	mm ² /s	46
Viscosity/100°C	mm ² /s	8.1
Viscosity index	-	150
Density/15°C	kg/m ³	866
Pour point	°C	<-33
Flash point	°C	>225

Viscosity-temperature diagrams are available on request.

Safety, health, environment

A data sheet with safety and health information can be found on the Internet at www.omv.com.

Used lubricants and empty containers must be disposed of in accordance with environmental regulations.