

eni Oso PM 46



eni OSO PM 46 is a special ashless high quality hydraulic oils characterised by very high antiwear properties. It is formulated from selected paraffinic base stocks treated with antirust, antioxidant and antiwear additives (Classification ISO-L-HM).

CHARACTERISTICS (TYPICAL FIGURES)

eni OSO PM 46

Viscosity at 40°C	mm ² /s	45.2
Viscosity at 100°C	mm ² /s	6.5
Viscosity Index	-	99
Flash Point COC	°C	215
Pour Point	°C	- 27
Mass density at 15°C	kg/l	0.880

PROPERTIES AND PERFORMANCE

eni OSO PM 46 is a special hydraulic fluid characterised by excellent performance in service, thanks its peculiar properties:

- Very high antiwear properties, as illustrated by typical test results:
 - Vickers test (I-286-S) vane and ring wear: around 50 mg;
 - FZG (A 8,3/90), scuffing test: pass the 12th stage;
 - BUGGER test: 31 N/mm²;
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- extremely good oxidation resistance and stability even when subjected to unusually high thermal stresses; this property minimizes sludge and deposit formation
- optimal lubrication by creating a strong lubricant film which withstands high loads between the sliding parts of high-pressure hydraulic systems;
- outstanding anticorrosion and antirust properties to inhibit the oxidation of internal surfaces of hydraulic circuits;
- good demulsibility to prevent the formation of a stable emulsion between the oil and any water which enters the system through leakage or condensation. Therefore the fluid maintains its lubricating power and anticorrosion performances even under these circumstances
- "ashless" technology that helps to prevent operating difficulties and breakdown of the oil caused by metallic oxides that would otherwise form within the machinery;
- very high filterability, also in presence of water; it is suitable for very fine filters (3 micron).

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APPLICATIONS

eni OSO PM 46 is recommended for use in all hydrodynamic power transmission machinery, in hydraulic controls and hydrostatic systems widely used in all fields of technology, in particular where operating conditions call for special antiwear, oxidation resistance, anticorrosion and filterability characteristics.

eni OSO PM 46 has been expressly developed for the presses Müller Weingarten for stamping and shearing sheet steel. Its particularly balanced additivation makes it suitable also in presence of clutches in oil bath.

SPECIFICATIONS

eni OSO PM 46 meets the requirements of the following specifications:

- ISO 11158 - HM
- DIN 51524-2 HLP
- AFNOR NF E 48603 HM
- CETOP RP 91 HM
- BS 4231 HSE
- EATON VICKERS M-2950-S, I-286-S

eni OSO PM 46 is approved by the following manufacturer:
Müller Weingarten DTS 55005/7