



Eni OSO S

Eni OSO S is a line of ashless high quality hydraulic oils developed for use in all types of hydraulic systems and equipment, specially where products with very high filterability are necessary. The oils are formulated from selected paraffinic base stocks treated with antirust, antioxidant and antiwear additives (Classification ISO-L-HM).

Characteristics (typical figures):

| Eni OSO S | Unit | 46 | 68 | Test method |
|------------------|-------------------|-----|-----|--------------|
| Kin. Viscosity | at 40°C | 44 | 68 | ASTM D 445 |
| | at 100°C | 6,8 | 8,7 | DIN 51 550 |
| Viscosity index | | 98 | 98 | DIN ISO 2909 |
| Density at 15°C | kg/m ³ | 880 | 885 | ASTM D 1298 |
| Flashpoint o. C. | °C | 218 | 228 | ASTM D 92 |
| Pourpoint | °C | -24 | -21 | ASTM D 97 |

Properties and Performance:

- The hydraulic oil had been developed for the application in transmission systems. Due to the special additization a heavy-duty lubrication film is ensured that can cope with the high loads between the moving parts of high-pressure hydraulic systems.
- **Eni OSO S** combines excellent wear protection and EP properties which is evident in the following test results:
 - wear in the Vickers-Test approx. 50 mg
 - the FZG-test meets a value of > 11
- It has an extremely high oxidation protection also at unusual high thermal loads. This effectively counteracts the formation of sludge and deposits, whereby malfunction of valves and control units are avoided. As a result the maintenance costs are reduced and the service time prolonged.
- Due to the excellent corrosion protection metallic parts in the hydraulic system are effectively protect from surface rust and therefore prevents malfunction or downtime of the system.
- The hydraulic fluid excels due to excellent filterability also in the presence of water and is therefore also suitable for very fine filtration (3 µm).

Applications:

Eni OSO S is a hydraulic fluid applicable for hydraulic transmission systems, control systems in the field of vehicles, constructional, agricultural and forestry machines as well as for industrial plants, metal processing machines, marine and aero engineering. **Eni OSO S** is not only suitable as hydraulic fluid, but also as high-pressure lubricant for the lubrication of bearings, reduction gear units and other applications where special wear protection properties are required.

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Specifications:

Eni OSO S meet the requirements of the following specifications:

- ISO 11158 – HM
- DIN 51524 part 2-HLP
- AFNOR NF E 48603 HM
- BS 4231 HSE
- CETOP RP 91 HM
- EATON VICKERS M-2950-S. I-286-S
- CINCINNATI MACHINE P-68, P-69, P-70
- DENISON HF 0