



AGIP OSO AS

AGIP OSO AS is a line of ashless high quality hydraulic oils developed for use in all types of hydraulic systems and equipments, 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)

AGIP OSO AS		46
Viscosity at 40°C	mm ² /s	44
Viscosity at 100°C	mm ² /s	6.8
Viscosity Index	-	125
Flash Point COC	°C	218
Pour Point	°C	-24
Mass density at 15°C	kg/l	0.888

PROPERTIES AND PERFORMANCE

- The oils provide adequate lubrication by creating a strong lubricant film which withstands high loads between the sliding parts of high-pressure hydraulic systems.
- AGIP OSO AS oils have very good antiwear properties, as illustrated by typical test results:
 - * vane and ring wear in the Vickers test (I-286-S) is around 50 mg;
 - * the grade ISO VG 46 passes the 12th stage of the FZG test.
- They have extremely good oxidation resistance and stability even when subjected to unusually high thermal stresses; this property minimizes sludge and deposit formation,
- Their outstanding anticorrosion and antirust properties inhibit the oxidation of internal surfaces of hydraulic circuits and therefore prevent operating difficulties and breakdown of the oil caused by metallic oxides that would otherwise form within the machinery.
- They show a very high filterability, also in presence of water; they are suitable for very fine filters (3 micron).

APPLICATIONS

AGIP OSO AS fluids are recommended for use in all hydrodynamic power transmission machinery, in hydraulic controls and hydrostatic systems widely used in all fields of technology, such as transport, construction and mining, as well as in chemical and metallurgical machinery, machine tools, marine and aviation equipment etc.. They are suitable for pumps with steel-on-steel and steel-on-bronze contact. AGIP OSO AS products are recommended not only for use as hydraulic fluids but also as heavy-duty lubricants for bearings, reduction units, etc., where operating conditions call for special antiwear characteristics.



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SPECIFICATIONS

AGIP OSO AS products meet the requirements of the following specifications:

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