



AGIP OSO D

AGIP OSO D is a hydraulic fluid of detergent/dispersant type. It is obtained from highly-refined base stocks containing additives of anticorrosion, antioxidant, antiwear and detergent/dispersant types.

CHARACTERISTICS (TYPICAL FIGURES)

AGIP OSO D		32	46
Viscosity at 40° C	mm ² /s	33	46
Viscosity at 100° C	mm ² /s	5.5	6.76
Viscosity Index	-	102	100
Flash Point COC	°C	206	210
Pour Point	°C	-24	-31
Mass Density at 15° C	kg/l	0.870	0.875

PROPERTIES AND PERFORMANCE

- AGIP OSO D is designed for energy transmission in plants requiring the use of a hydraulic fluid. It also provides adequate lubrication by creating a strong lubricant film which withstands high loads between the sliding parts of high-pressure hydraulic systems.
- AGIP OSO D is a product able to emulsify the water that has accidentally infiltrated into hydraulic circuits (for example contamination by emulsifying cutting fluids) and in the same time to release it in the reservoir, where it can be drained off. Furthermore the detergent/dispersant properties avoid the depletion of the anticorrosion and lubrication properties of the hydraulic fluid and they hold impurities and sludges in suspension so that they can be eliminated by filtration.
- AGIP OSO D has extremely good oxidation resistance and stability even when subjected to unusually high thermal stresses; this property minimizes sludge and deposit formation, thus preventing blocking of ports, valves and controls, while guaranteeing that the oil remains properly fluid. Maintenance costs are therefore reduced and the useful service life of the oil is extended.
- The high Viscosity Index minimizes changes in viscosity throughout the normal range of operating temperatures, thus ensuring constant flow, low friction loss and good hydraulic efficiency, while protecting against the possibility of cavitation.
- It has a low pour point which allows easy start-up of hydraulic equipment even at low temperatures, without circulation or regulation problems.
- Its 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.
- Its antifoam properties and its ready release of entrained air prevent difficulties with pumps and controls which can cause irregularities in performance and other problems arising from the compressibility of air bubbles.

APPLICATIONS

AGIP OSO D is 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, building industry (presses for ceramic industry), construction and mining, as well as in chemical and metallurgical machinery, machine tools, marine and aviation equipment, where the use of an antiwear hydraulic fluid is necessary and in meantime there the risk of pollution from water impurities of different types or water-based cutting fluids.



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SPECIFICATIONS

AGIP OSO D meets the requirements of the following classifications /specifications:

- ISO L-HM (not demulsifiable)
- ISO 11158 (not demulsifiable)
- DIN 51524 teil 2 - HLP-D