eni Hydroil GF ID

PRODUCT DATA SHEET

eni Hydroil GF ID is a good quality hydraulic oils specially developed for use in all types of hydraulic systems and equipment. The oils are formulated from selected paraffinic base stocks treated with antirust, antioxidant, and anti-wear additives.

CHARACTERISTICS (TYPICAL FIGURES)

eni Hydroil GF ID		32	46	68
ISO VG		**32**	**46**	**68**
Appearance	-	B & C	B & C	B & C
Density at 15°C	kg/L	0.862	0.866	0.874
Viscosity at 40°C	cSt	31.3	46.3	68.3
Viscosity at 100°C	cSt	5.4	7.1	9.1
Viscosity Index	-	110	112	109
Flash Point COC	°C	220	236	238

PROPERTIES AND PERFORMANCE

- **eni Hydroil GF ID** is designed for energy transmission in plants requiring the use of a hydraulic fluid. The oils also provide adequate lubrication by creating a strong lubricant film that withstands high loads between the sliding parts of high-pressure hydraulic systems.
- It has 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.
- Its 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 cavitations.
- 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 good demulsibility and also filterability prevents the formation of a stable emulsion between the oil and any water that enters the system through leakage or condensation.
- 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.

APPLICATION

eni Hydroil GF ID 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, construction and mining, as well as in chemical and metallurgical machinery, machine tools, marine and aviation equipment, etc.

SPECIFICATIONS

eni Hydroil GF ID meets the requirements of DIN 51524 Part 2 (HLP) specification.

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