

HYDRO OIL HD SERIES

High Performance Hydraulic System Oil

Description

It is a high performance HLP type hydraulic system oil with major OEM approvals.

Applications

It is recommended to all industrial and moving hydraulic systems. Among its special industrial applications include construction machines, presses, moving construction equipment, plastic injection and drawing machines and screw-type air compressors.

Benefits

- Cleans the system.
- Excellent oxidation resistance and water separation characteristic.
- Prevents cavitations due to its high air release properties.
- Adopts to wide range of climatic conditions due to its high Viscosity Index.
- Used in hydraulic system operating under extremely high temperatures like plastic injection machines with its high thermal stability.
- Saves energy by preventing pressure surge in the pumps during cold start-ups.
- Ensures efficient system operation and perpetual power transmission.

Performance

Bosch Rexroth RDE 90235 (approval for ISO VG 32, 46 and 68 grades), Cincinnati P 68, 69, 70 (approval for SAE 32, SAE 68, SAE 46 grades, respectively), DIN 51524 Part II (HLP), Eaton M-2950 S/I-286 S3, ISO 20763 Conestoga Vane Pump Tests, JCMAS P041 HK, Parker HF-0, HF-1, HF-2 (approval for ISO VG 32, 46, and 68 grades)

Typical Specifications*

ISO Viscosity Grade		10	22	32	46	68	100	150	220
Density, 15 °C, kg/liter	ASTM D4052	0,857	0,869	0,877	0,880	0,886	0,888	0,894	0,899
Flash Point COC, °C	ASTM D92	138	202	220	236	242	248	266	266
Viscosity, 40 °C, mm ² /s	ASTM D445	10	22	32	46	68	100	150	220
Viscosity, 100 °C, mm ² /s		2,66	4,31	5,36	6,76	8,73	11	14,45	18,50
Viscosity Index	ASTM D2270	100	101	101	100	100	94	94	93
Pour Point, °C	ASTM D97	-33	-30	-27	-24	-27	-18	-12	-9

* Values shown may differ between productions.

