

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

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

Typical Specifications*

ISO Viscosity Grade		ISO VG							
		10	22	32	46	68	100	150	220
Density, @ 15 °C, kg/m ³	ASTM D 4052	0,857	0,869	0,877	0,880	0,886	0,888	0,894	0,899
Flash Point COC, °C	ASTM D 92	138	202	220	236	242	248	266	266
Viscosity, 40 °C, mm ² /s	ASTM D 445	10	22	32	46	68	100	150	220
Viscosity, 100 °C, mm ² /s		2,658	4,31	5,36	6,76	8,73	11	14,45	18,5
Viscosity Index	ASTM D 2270	100	101	101	100	100	94	94	93
Pour Point, °C	ASTM D 97	-33	-30	-27	-24	-21	-18	-12	-9

* Values shown may differ between productions.

