

KYNOS HYDRA HLP

Hydraulic Oils

KYNOS LUBRICATION PRIVATE LIMITED

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KYNOS HYDRA HLP: Hydro Treated based High Performance Hydraulic Fluid.

High performance hydraulic fluid, based on the latest technology hydro treated base oil and additive technology. The use of special additive packs warrants optimal performance and a long service life. The technology combines high viscosity/temperature characteristics with good extreme pressure and anti-wear properties for reliability and trouble-free performance even at high operating temperatures.

Hydra HLP is developed to provide trouble free operation, especially in cases where a conventional based hydraulic fluid fails (sludge and deposit creation at higher temperatures).

Applications

- Used in hydraulic systems for presses, injection moulding machines, and other heavy-duty industrial machinery where high stability and wear protection are essential.
- Hydra HLP can be used in all available hydraulic applications, as well as light gear boxes and is perfectly suitable for general lubrication purposes. The fluid is recommended for high pressure hydraulic systems or equipment operating over wide temperature ranges where it is critical to retain viscosity-temperature characteristics under high shear conditions. The high viscosity index ensures a low start up viscosity, as also a stable protecting lubricating film at high operating temperatures.

Performance Level

- Denison HF-0, Eaton Vickers M-2950-S and I-286-S, Bosch Rexroth
- DIN 51524 Part 3
- ISO 11158
- IS 10522, IS 11656

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Typical Performance Data

Properties	Test Method	HYDRA HLP					
		15	22	36	46	68	100
Viscosity Index	ASTM D-2270	168	145	141	165	141	145
Viscosity @ 40 °C, mm ² /s	ASTM D-445	14	22	35	46	68	95
Flash Point, °C Minimum	ASTM D-92	154	190	200	206	210	228
Pour Point, °C Max	ASTM D-97	- 42	- 50	- 45	- 42	- 40	- 40
Density @ 15 °C, gm/cc	ASTM D-1298	0.825	0.825	0.825	0.84	0.85	0.86
Copper Corrosion test @100°C /3 hrs	ASTM D-130	1a	1a	1a	1a	1a	1a
Rust Preventive Characteristics	ASTM D-665A ASTM D-665B	Pass	Pass	Pass	Pass	Pass	Pass
Demulsibility, ml/min	ASTM D- 1401	40/39/1 (20')	40/39/1 (20')	40/39/1 (20')	40/39/1 (20')	40/39/1 (20')	40/39/1 (20')
FZG	ASTM D-5182	12	12	12	12	12	12
Foaming Characteristics, 10 min - Sequence I - Sequence II - Sequence III	ASTM D-892	0 25/0 0	Nil Nil Nil	Nil Nil Nil	Nil Nil Nil	Nil Nil Nil	Nil Nil Nil

*All performance data on this Technical Data Sheet are indicative only and may vary during production.