



Hydra ZF Hydraulic Oil Series

A high-performance Hydraulic Oil

PRODUCT DATA SHEET

Product Description

Hydra ZF Hydraulic a high-viscosity index, zinc-free anti wear hydraulic fluid formulated with high-quality HVI base oils & advanced ashless additive technology to provide reliable protection & efficient performance in hydraulic & fluid power systems. It offers excellent wear protection, hydrolytic stability, & dependable operation across a wide temperature range, making it suitable for demanding applications, including systems exposed to high moisture conditions.

Features & Benefits

- Outstanding thermal & oxidation stability helps in extending life of oil and filter.
- Superior demulsibility property of oil protects hydraulic systems from small quantities of moisture and also separates readily from larger quantities of water.
- Excellent anti-wear properties and outstanding film strength provides exceptional equipment protection, that not only results in fewer breakdowns but also helps improve production efficiency.
- Excellent protection from rust and corrosion of multi-metallurgy system components

Specifications

Hydra AW Hydraulic series meets or exceeds following International and Builder specifications:

- DIN 51524 Part 2 HLP type
- ISO 11158 (HM fluids)
- Denison HF-0 (T6H20C)
- VICKERS M-2950S, -I-286

Applications

Hydra AW Hydraulic series are suitable for use in Hydraulic systems of Industrial and Mobile equipment

- Suitable for use in Marine hydraulics, machine tools, mould injection machines and hydraulic presses.

- Applications where anti-wear lubricant is required: low charged gears, bearings, air compressors etc.,

Typical Characteristics

Hydra AW	Test Method	Units	15	22	32	46	68	100	150
ISO Viscosity Grade	ISO 3448	-	15	22	32	46	68	100	150
Density @ 15 °C	ASTM D 4052	gm/cc	0.845	0.864	0.870	0.878	0.880	0.887	0.894
Viscosity @ 40 °C	ASTM D 445	cSt	15.6	22.9	32.4	46.8	68.9	100.8	150.2
Viscosity @ 100 °C	ASTM D 445	cSt	3.5	4.4	5.38	6.78	8.72	11.15	14.56
Viscosity Index	ASTM D 2270	-	100	100	98	98	98	95	95
Pour Point	ASTM D 97	°C	-39	-30	-27	-27	-21	-21	-18
Flash Point (COC)	ASTM D 92	°C	180	204	224	230	234	246	272
Copper Strip Corrosion	ASTM D 130	-	1A	1B	1B	1B	1B	1B	1B
Rust Characteristics Proc B	ASTM D 665	-	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Foam Seq I,II,III	ASTM D 892	ml/ml	20/0	20/0	20/0	20/0	20/0	20/0	20/0

The above figures are typical of blends with normal production tolerance and do not constitute a specification.