HYD-POWER OIL AW 68

High Performance Anti-wear Hydraulic fluid

Product Data Sheet

Product Description

HYD-POWER OIL AW 68 range of lubricants is a line of supreme performance anti-wear hydraulic oils formulated with high-quality base stocks and balanced additive technology. They are designed to work efficiently in hydraulic systems operating under severe conditions, where high levels of anti-wear and oil film strength protection are desired. Moreover, they are also designed to work in systems where non-anti-wear hydraulic oils are generally recommended.

Features & Benefits

- Outstanding thermal and oxidation stability help extend the life of the oil and filter.
- Superior demulsibility properties protect hydraulic systems from small quantities of moisture and allow the oil to separate readily from larger quantities of water.
- Excellent anti-wear properties and outstanding film strength provide exceptional equipment protection, which not only results in fewer breakdowns but also helps improve production efficiency.
- Excellent protection from rust and corrosion of multi-metallurgy system components.

Specifications

HYD-POWER OIL AW 68 meets or exceeds following International and Builder specifications:

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

Application

HYD-POWER OIL AW 68 is suitable for use in hydraulic systems of industrial and mobile equipment.

- Suitable for use in marine hydraulics, machine tools, mold injection machines, and hydraulic presses.
- Applications where anti-wear lubricant is required: low-charged gears, bearings, air compressors, etc.

Typical Characteristics

HYD-POWER OIL AW 68	Test Method	Units	15	22	32	46	68	100	150
ISO Viscosity Grade	ISO 3448	-	15	22	32	46	68	100	150
Density @ 15 ^{0}C	ASTM D 4052	gm/cc	0.845	0.864	0.870	0.878	0.880	0.887	0.894
Viscosity @ 40 ^{0}C	ASTM D 445	cSt	15.6	22.9	32.4	46.8	68.9	100.8	150.2
Viscosity @ 100 ^{0}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.