



HYDRO FLUID AW

INDUSTRIAL HYDRAULIC FLUID

Product Description

HYDRO FLUID AW is high performance hydraulic fluid. It is formulated from S-OIL's highly hydro treated base stocks and advanced anti-wear, anti-oxidant additive system designed for providing outstanding protection and performance in most industrial hydraulic systems and many mobile equipment operations. It's excellent thermal and oxidation resistance delivers good performance and extended oil drain intervals.

Applications

- Industrial hydraulic system: Suitable for a wide range of hydraulic power applications
- Marine hydraulic system
- Any application where an anti-wear, high-performance oil is necessary

Features and potential benefits

- Outstanding wear protection: Ensuring protection of machine parts.
- Long fluid life: Reducing maintenance costs
- Maintaining system efficiency: Superior cleanliness, excellent filterability

Performance level

- ISO 11158 (HM)
- ASTM D6158 (HM)
- SAE MS 1004 (HM)
- JCMAS HK
- Denison HF-0/1/2
- Eaton Vickers I-286-S, M-2950-S
- US Steel 127
- GM LS-2
- Five Cincinnati P-68, P-69, P-70

Typical Properties

Test Items	Method	Unit	ISO VG 10	ISO VG 32	ISO VG 46	ISO VG 68	ISO VG 100	ISO VG 150	ISO VG 220
Specific gravity	ASTM D1298	-	0.8376	0.8632	0.8680	0.8739	0.8779	0.8831	0.8869
Color	ASTM D1500	-	L0.5	L0.5	L0.5	L0.5	0.1	0.5	0.6
Viscosity	ASTM D445	40°C	10	32	46	64	100	155	220
		100°C	2.7	5.43	6.75	8.77	11.52	15.37	19.20
Viscosity index	ASTM D2270	-	104	104	99	102	102	100	98
Flash point	ASTM D92	°C	178	218	228	238	258	266	266
Pour point	ASTM D97	°C	-57.0	-40.0	-37.5	-35.0	-28	-24	-20
Total Acid Number	ASTM D664	mgKOH/g	0.50	0.52	0.50	0.53	0.51	0.54	0.53
Water Seperability	ASTM D1401	Min	10	10	10	10	10	10	10
Cu Corrosion (100°C, 3hrs)	ASTM D130		1a	1a	1a	1a	1a	1a	1a
Foam Tendency									
- Sequence I	ASTM D892	ml / ml	30 / 0	10 / 0	10 / 0	10 / 0	5 / 0	5 / 0	5 / 0
- Sequence II		ml / ml	20 / 0	10 / 0	10 / 0	10 / 0	5 / 0	10 / 0	15 / 0
- Sequence III		ml / ml	25 / 0	10 / 0	10 / 0	10 / 0	5 / 0	5 / 0	10 / 0
Rust Prevention (60°C, 24hrs)	ASTM D665B		Pass	Pass	Pass	Pass	Pass	Pass	Pass
TOST Life	ASTM D943	hrs	-	> 3,000	> 3,000	> 3,000	> 3,000	> 3,000	> 3,000

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This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet is obtainable via your commercial adviser.