



S-OIL HYDRO FLUID AW

INDUSTRIAL HYDRAULIC FLUID

Product Description

HYDRO FLUID AW is high performance hydraulic fluid. It is formulated from S-OIL's highly hydrotreated 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
- Applications where sludge and deposit form with conventional products
- 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 and excellent filterability

Performance Level

- Bosch Rexroth RDE 90235
- ISO 11158 (HM/HV)
- SAE MS 1004 (HM/HV)
- GM LS-2
- DIN 51524-2/3 (HM/HV)
- Parker HF-0/1/2 (HM/HV)
- AIST 126/127
- GB 1111.8 (L-HL/HM/HV/HS)
- Eaton E-FDGN-TB002-E
- JCMAS P041 HK
- Fives P68/69/70 (HM/HV)
- ASTM D6158 (HM/HV)

Typical Properties

Test Items	Method	Unit	10	15	22	32	46	68	
Specific Gravity	ASTM D1298	-	0.839	0.848	0.855	0.860	0.865	0.870	
Color	ASTM D1500	-	L0.5	L0.5	L0.5	L0.5	L0.5	L0.5	
Viscosity	40°C	ASTM D445	cSt	10.8	15.6	21.9	31.8	45.2	69.0
		100°C	ASTM D445	cSt	2.82	3.55	4.38	5.50	6.88
Viscosity Index	ASTM D2270	-	106	107	108	109	108	108	
Flash Point	ASTM D92	°C	170	192	216	230	240	244	
Pour Point	ASTM D97	°C	-57	-46	-40	-35	-37	-35	
Demulsibility	ASTM D1401	Min	4	8	8	15	10	12	
Copper Corrosion (100°C, 3hrs)	ASTM D130	-	1a	1a	1a	1a	1a	1a	
Foam Tendency	Seq. I	ASTM D892	ml/ml	30/0	40/0	20/0	10/0	10/0	10/0
	Seq. II	ASTM D892	ml/ml	20/0	15/0	10/0	10/0	10/0	10/0
	Seq. III	ASTM D892	ml/ml	25/0	40/0	10/0	10/0	10/0	10/0
Rust Prevention (60°C, 24hrs)	ASTM D665B	-	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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HYDRO FLUID AW
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This lubricant used 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.