

HYDRO FLUID

RUST AND OXIDATION HYDRAULIC FLUID

Product Description

HYDRO FLUID is an excellent anti-rust and oxidation hydraulic fluid under high pressure and normal temperature conditions. It is formulated from S-OIL's highly hydrotreated base stocks, advanced anti-rust and anti-oxidation additive system. This is an excellent, multi-purpose lubricant, suitable for use in bearings, gears, hydraulic and other systems.

Applications

- Designed for use in all kind of hydraulic system operating under high pressure and normal temperature conditions such as in machine tools, injection mold machine, presses and other industrial equipment
- Used in many other applications where a universal anti-wear lubricant is the first choice: low charged gears, sliding and roller bearings

Features and Potential Benefits

- Good resistance to oxidation avoiding formation of sludge at normal operation temperature and ensuring a long service life of the fluid
- Outstanding anti-foam ability for equipment trouble control
- Good filterability even in the presence of water
- Excellent protection against rust and corrosion
- Good demulsibility ensuring rapid water separation

Performance Level

- DIN 51524 PART I (HL)
- ISO 11158 (HL Fluids)
- Cincinnati Machine P38/P54/P55

Typical Properties

Test Items	Method	Unit	32	46	68	
Specific Gravity	ASTM D1298	-	0.8621	0.8680	0.8729	
Color	ASTM D1500	-	L0.5	L0.5	L0.5	
Viscosity	40°C	ASTM D445	cSt	31.85	45.88	66.34
	100°C	ASTM D445	cSt	5.41	6.83	8.67
Viscosity Index	ASTM D2270	-	104	103	102	
Flash Point	ASTM D92	°C	216	228	238	
Pour Point	ASTM D97	°C	-38	-40	-38	
Total Acid Number	ASTM D664	mgKOH/g	0.89	0.89	0.89	
Water Separability	ASTM D1401	Min	10	10	5	
Cu Corrosion (100°C, 3hrs)	ASTM D130	-	1b	1b	1b	
Foam Tendency	Seq. I	ASTM D892	ml/ml	10/0	10/0	10/0
	Seq. II	ASTM D892	ml/ml	10/0	10/0	10/0
	Seq. III	ASTM D892	ml/ml	10/0	10/0	10/0
Rust Prevention (60°C, 24hrs)	ASTM D665B	-	Pass	Pass	Pass	

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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.