

# HYDRO SUPER

## MULTI PURPOSE ANTI-WEAR HYDRAULIC FLUID

### Product Description

HYDRO SUPER is excellent anti-wear hydraulic fluid under high pressure and high temperature conditions. It is formulated from S-OIL's aramcoULTRA base stocks and advanced anti-wear and anti-oxidant additive system.

### Applications

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

### Features and Potential Benefits

- Excellent anti-wear properties ensuring protection of machine parts
- Great lubricity at high temperature thanks to base stock's high viscosity index
- Prevents formation of deposits in the circuit thanks to remarkable thermal stability: cleaner circuits and less clogging of the filters
- Low pour point helps to reduce friction during operation at low temperature
- Reduced maintenance costs

### Performance Level

- ISO 11158 (HM)
- ASTM D6158 (HM)
- SAE MS 1004 (HM)
- Denison HF-0
- Cincinnati Machine P68/P69/P70
- DIN 51524 PART II (HLP)
- GM LS-2/LH-03/LH-04/LH-06
- Eaton Vickers M-2950-S/I-286-S
- JCMAS HK
- US Steel 127/136

### Typical Properties

Test Items	Method	Unit	32	46	68	
Specific Gravity	ASTM D1298	-	0.843	0.845	0.862	
Color	ASTM D1500	-	L0.5	L0.5	L0.5	
Viscosity	ASTM D445	40°C	cSt	32	46	68
		100°C	cSt	5.90	7.60	9.40
Viscosity Index	ASTM D2270	-	130	133	116	
Flash Point	ASTM D92	°C	230	232	235	
Pour Point	ASTM D97	°C	-38	-35	-33	
Total Acid Number	ASTM D664	mgKOH/g	0.5	0.5	0.5	
Water Separability	ASTM D1401	Min	10	10	10	
Cu Corrosion (100°C, 3hrs)	ASTM D130	-	1b	1b	1b	
Foam Tendency	ASTM D892	Seq. I	ml/ml	10/0	10/0	10/0
		Seq. II	ml/ml	10/0	10/0	10/0
		Seq. III	ml/ml	10/0	10/0	10/0
Rust Prevention (60°C, 24hrs)	ASTM D665B	-	Pass	Pass	Pass	
TOST Life	ASTM D943	hrs	>3,000	>3,000	>3,000	

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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.