



# SOIL Hydraulic Oil-H

**SOIL Hydraulic oil** series are formulated from high base stocks and premium grade hydraulic oil additives package to provide excellent performance in most of the Hydraulic applications. They are resistant to oxidation and rust. These fluids have an inherently high viscosity index which is very much stable. SOIL Hydraulic series are extremely efficient for Hydraulic systems operating in low, high or varying ambient temperature.

## APPLICATION

This series are suitable for hydraulic systems of all designs. They are equally usable in industrial, marine and mobile services which operate at low, high or rapidly changing ambient temperature.

## BENEFITS

- Prevents wear, rust and oxidation
- Superior usability
- Resists foaming
- Superior filterability.



## TYPICAL CHARACTERISTICS

TEST DESCRIPTION	METHOD	TYPICAL RESULTS				
		ISO 32	ISO 46	ISO 68	ISO 100	ISO 150
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ASTM Color	ASTM D 1500	L 1.0	L 1.0	L 0.5	L 0.5	L 2.0
Specific Gravity at 15 deg	ASTM D 1298	0.8595	0.8737	0.8739	0.8755	0.8898
Viscosity at 40 deg	ASTM D 445	32.17	46.44	69.67	99.21	152.2
Viscosity at 100 deg	ASTM D 445	5.47	6.98	9.36	11.57	15.79
Viscosity Index	ASTM D 2270	115	112	109	107	107
Pour Point	ASTM D 97	-18	-15	-15	-18	-15
Flash Point	ASTM D 92	235	246	271	265	276
TAN	ASTM D 974	0.523	0.547	0.155	0.228	0.256

Data Sheet

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## PERFORMANCE STANDARDS

- Denison HF-0, HF-1, HF-2
- DIN 51524 Part I (HL) & Part II (HLP)
- AFNOR NF E 48-690 (Dry) & 691 (Wet)
- Vickers I-286-S & M-2950-S
- US Steel 126 & 127
- Cincinnati Machine P-68 (ISO 32)
- Cincinnati Machine P-70 (ISO 46)
- Cincinnati Machine P-69 (ISO 68)
- General Motor LH-04-1
- General Motor LH-06-1
- General Motor LH-15-1
- Sauer Danfoos
- Rexroth
- Bosch variable vane pumps
- Commercial Hydraulics (Except silver coated PM-500 series)
- JCMAS HK
- FZG A/8.3/90 Load test (DIN 51354) at 12th stage level

