

## PRODUCT DATA SHEET



**SH 5 SH 10 SH 10/20**  
**SH 20 SH 30**  
**ANTI-LEAK ANTI-WEAR HYDRAULIC FLUID**

## PRODUCT DESCRIPTION

Sentinel's SH Line of Synthetic Hydraulic fluids are anti-wear, anti-leak fluids specifically engineered to meet the requirements of modern high performance pumps and industrial and mobile hydraulic systems. They are blended from premium quality base stocks with a superior combination of oxidation inhibitors to prevent sludging and deposit formation; a high level of E.P. additives to meet the wear protection requirements of all pump manufacturers; foam suppressants to eliminate foaming, and dyed red for ease of identification; and finally a new Polymer additive to arrest leakage.

The SH Line of Hydraulic fluid offers superior protection against corrosion, rubber swelling and foaming and exhibits excellent water demulsibility characteristics. These are the qualities that are required to assure efficient, trouble-free operation of the new high-pressure hydraulic systems. The use of SH Hydraulic Fluids minimizes wear and mechanical problems within any hydraulic system, and reduces all leakage to an absolute minimum.

For applications with special requirements such as a wide range of operating temperatures, very low start-up temperature, or extremely high operating pressures, we recommend Sentinel Hydraulic Fluid LT Series.

## PRODUCT ADVANTAGES

- Extended drain intervals
- Superior demulsibility
- Non-foaming
- Seal compatible
- Reduced downtime
- Reduced equipment operational problems
- Reduced maintenance costs
- Improved Safety
- Reduce oil leakage
- Eliminates seasonal oil change
- Exceptional high temperature stability and performance durability
- Improved Oxidation Stability
- Energy Conservation
- Cooler running
- Provide outstanding high temperature and oxidative stability
- Superior resistance to sludge formulation
- Outstanding protection against wear
- Resist rust and corrosion

TO ORDER OR FOR ADDITIONAL INFORMATION

**QUALITY WITHOUT QUESTIONS!**

SENTINEL LUBRICANTS CORP.  
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**TYPICAL CHARACTERISTICS**

	<u>SH 5</u>	<u>SH 10</u>	<u>SH 10/20</u>	<u>SH 20</u>	<u>SH 30</u>	
ISO Viscosity Grade	22	32	46	68	100	ASTM D-2422
SAE Viscosity Grade	5	10	10W20	20	30	SAE J - 300
Viscosity cSt @ 100°C	3.8	6	8.5	10.5	13	ASTM D- 445
@ 40°C	22	32	46	68	100	ASTM D- 445
Pour Point °C (°F)	-40(-40)	-40(-40)	-37(-35)	-34(-30)	-32(-25)	ASTM D- 97
Flash Point °C (°F)	210(410)	220(428)	226(438)	228(440)	230(446)	ASTM D- 92
Fire point °C (°F)	232(449)	232(449)	250(482)	252(485)	250(489)	ASTM D- 92
Foam Sequence I, II, III	-----Nil-----					ASTM D- 892
Demulsibility 54.4°C(130°F)	-----40/40/0(15)-----					ASTM D-1401
Copper Corrosion 121°C(250°F), 3 hrs	-----1a-----					ASTM D- 130
Rust Test	-----Pass-----					ASTM D-665A&B
USDA Rating	-----H-2-----					
Color Observed	-----Red-----					
Physical Properties	-----Non-Leak-----					

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