

HI-PUMP

ANTI-WEAR, ASHLESS, HIGH VISCOSITY INDEX HYDRAULIC FLUID

Product Description

HI-PUMP is supreme performance anti-wear hydraulic fluid formulated from S-Oil's ULTRA-S* base stocks and advanced additive system designed for wide temperature range applications and a wide range of heavy-duty equipment requirements. HI-PUMP also provides effective low and high ambient temperature performance due to high viscosity index. It's excellent thermal and oxidation resistance delivers good performance and extended operating intervals. * The trade-mark of S-OIL's Group-III base oils

Applications

- Hydraulic systems operating under high pressure and/or temperature (earthmoving, excavator, loader, etc)
- High-pressure vane, piston or gear pumps
- Sensitive hydraulic circuits requiring absolute filterability of the fluid (very fine servo valve play)
: plastic moulding machine
- Any hydraulic systems where the risk of contamination of the environment and waters exist
- Any application where an anti-wear, high-performance oil is necessary

Features and potential benefits

- Excellent anti-wear properties ensuring protection of machine parts.
- Exceptional oxidation and aging stability : greater service oil life and lengthening of oil change intervals
- Environmentally friendly formulation
- Prevents formation of deposits in the circuit thanks to remarkable thermal stability : cleaner circuits, less clogging of the filters
- Reduced maintenance costs

Performance level

- ISO 11158 HL / HM / HV
- Denison HF-0, HF-1, HF-2
- DIN 51524, PART I, II & III
- Eaton Vickers I-286-S, M-2950-S
- Cincinnati Machine P-68, P-69 and P-70

Typical Properties

Test Items	Method	Unit	ISO VG 15	ISO VG 32	ISO VG 46	ISO VG 68	ISO VG 100
Specific gravity	ASTM D1298	-	0.8369	0.8459	0.8475	0.8639	0.8730
Color	ASTM D1500	-	0.5 ↓	0.5 ↓	0.5 ↓	0.5 ↓	0.5 ↓
Viscosity	40°C	ASTM D445	15.55	32.63	46.24	67.96	98.87
	100°C	ASTM D445	3.97	6.39	8.20	10.86	14.50
Viscosity index	ASTM D2270	-	161	151	153	150	152
Flash point	ASTM D92	°C	206	244	250	252	256
Pour point	ASTM D97	°C	-50 ↓	-45	-40	-40	-37.5

S-OIL CORPORATION
192, Baekbeom-ro, Mapo-gu,
Seoul, 04192, Korea

HI-PUMP
2015.7.15.



This lubricant used as 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.