

SPX HVI HYDRAULIC

PREMIUM ANTI-WEAR HYDRAULIC OIL FOR WIDE TEMPERATURE RANGES

SPX HVI Hydraulic is a premium, high viscosity index, anti-wear hydraulic oil for use in various industrial and mobile hydraulic systems and applications operating in cold climates or locations subject to wide variations in ambient temperature. It meets the performance requirements of all major pump manufacturers, and is recommended for use in all types of high-pressure, high-speed hydraulic pumps. SPX HVI Hydraulic is formulated with high-quality base oils and a zinc anti-wear and anti-oxidant additive package to protect hydraulic system components from wear and to minimize deposit formation providing long service life. The high viscosity index helps maintain oil viscosity at operating temperatures and improves hydraulic system efficiency compared to conventional hydraulic oils.

Advantages

- High VI to increase hydraulic system efficiency
- Excellent service over a wide temperature range
- Excellent oxidation resistance and thermal stability
- Excellent wear protection for hydraulic pumps and motors
- Protects against rust and corrosion
- Excellent water-separating properties
- Good foam resistance

Applications

- Hydraulic systems on industrial, mobile, and marine equipment operating in cold weather or in locations subject to temperature fluctuations
- Automated machine tools
- Elevators, hoists, presses, and floor jacks
- Marine cargo winches and steering systems
- Mobile and off-road construction equipment
- Service station lifts
- Chain drives

Specifications

SPX HVI Hydraulic meets the following industry and OEM specifications:

- ISO 11158:1997, Family H (Hydraulic Systems), Type HV
- DIN 51524 Part 3, Anti-wear Hydraulic Oils, Type HVLP
- Parker Hannifin (Denison) HF-0, HF-1, HF-2
- Eaton-Vickers I-286-S, M-2950-S



Industrial



Web: www.pilotthomas.com
Email: lubesinfo@pilotthomas.com
Tel: 844.785.8326



SPX HVI HYDRAULIC

TYPICAL PROPERTIES

ISO Grade	32
Specific Gravity @ 60°F	0.862
Density, lbs/gal @ 60°F	7.18
Color, ASTM D1500	0.5
Flash Point (COC), °C (°F)	204(399)
Pour Point, °C (°F)	-51(-60)
Viscosity	
cSt @ 40°C	32.0
cSt @ 100°C	6.7
SUS @ 100°F	150
SUS @ 210°F	48.2
Viscosity Index	173
Acid Number, ASTM D974, mg KOH/g	0.60
Dielectric Strength, ASTM D877, kV ⁽¹⁾	35
Demulsibility, ASTM D1401, min to pass	10
Oxidation Stability, TOST, ASTM D943, hours	>7,000
Copper Corrosion, ASTM D130	1a
Rust Test, ASTM D665 A&B	Pass
Zinc, wt %	>0.06

⁽¹⁾ At the point of manufacture. In order to maintain dielectric strength, the oil must be kept clean and dry. It is recommended to maintain this product in sealed containers until use.

Minor variations in typical properties data are to be expected in normal manufacturing.

Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet (SDS).



Industrial

