

Application

TECHNOL LAPIS HVI SERIES range is recommended for all kind of hydraulic systems operating under high pressure (limit as indicated by the pump manufacturer) and high temperature. Lubricants especially suitable for hydraulic systems working under extreme temperature variations and equipment operating outside : easy start up at low temperature and regular operating in all seasons: civil engineering, agriculture, marine, transport and other industrial applications.

Properties

- Very high viscosity index
- Good shear stability
- Superior thermal stability avoiding the formation of sludge even at high temperature
- Very good oxidation stability ensuring a long service life of the fluid
- High protection against wear insuring maximum equipment life
- Excellent hydrolytic stability avoiding filter blocking
- Remarkable filterability even in the presence of water
- Excellent protection against rust and corrosion
- Good anti-foam and air release properties by using silicon free components
- Very low pour point
- Good demulsibility ensuring rapid water separation

Approvals

AFNOR: NF E 48-603 HV
DIN: 51524 P3 HVLP

ISO: 6743/4 HV
VICKERS: M-2950S, -I-286

Specifications

Specifications	Unit	Test method	Lapis HVI Series					
			15	22	32	46	68	100
Density at 15°C	kg/m ³	ASTM D4052	858	861	863	882	885	886
Kinematic Viscosity at 40°C	mm ² /s	ASTM D445	15	22	32	46	68	100
Kinematic Viscosity at 100°C	mm ² /s	ASTM D445	3.7	5.3	6.6	8.4	11.2	15.45
Viscosity Index	-	ASTM D2270	151	172	168	161	160	164
Pour Point	°C	ASTM D97	-42	-39	-50	-43	-39	-36
Flash Point	°C	ASTM D92	174	230	230	230	230	230
Total Acid Number	mgKOH/mg	ASTM D664	0.8	0.8	0.8	0.8	0.8	0.8
Appearance	-	Visual	Clear and bright					

*The features mentioned above are average values obtained with some variability in production and do not constitute a specification