

LORENT HVI

High viscosity index hydraulic oil

Description

LORENT HVI is made of high quality mineral base oil group II, specially developed for uses in hydraulic systems. **LORENT HVI** is formulated with anti-foam, anti-oxidant, anti-wear, rust inhibitor, pour point depressant, viscosity index improver, and extreme pressure.

Applications

- ▶ **LORENT HVI** is also recommended for all kind of hydraulic systems operating under high pressure and high temperature (limit <100 °C).
- ▶ It suits the hydraulic fluid, electrohydraulic servo controls, valve controls, shock absorbers, marine equipment, mining equipment, and other hydraulic equipment.
- ▶ For the control and power transmission systems of most types of machinery design or heavy-duty operating conditions that require oils with an extremely high viscosity index.

Specification Meets:

- ▶ Parker (formerly Denison) HF-0, HF-1, HF-2 (HM, HV)
- ▶ Eaton Vickers M-2950-S and I-286-S3

- ▶ Fives Cincinnati P68, P69, P70 (HV)
- ▶ DIN 51524-3 (HV)
- ▶ ISO 11158 (HV)
- ▶ ASTM D6158 (HV)
- ▶ SAE MS 1004 (HV)
- ▶ Bosch Rexroth RE 90235 (eligible for RDE 90245 listing)
- ▶ ANSI/AGMA 9005-E02-RO
- ▶ GM LS-2
- ▶ AIST 126, 127

Advantages

- ▶ Excellent oxidation stability
- ▶ Capable to extend the oil drain interval
- ▶ Good sludge and particulate control
- ▶ Improved filterability and consequently less downtime
- ▶ Improved protection of critical components with tight tolerances
- ▶ Superior wear protection for maximum equipment life
- ▶ Greater energy saving potential
- ▶ Excellent hydrolytic stability for improved protection and extended life of yellow metal part of the equipment

Typical Data of LORENT HVI

Characteristics	Unit	LORENT HVI		Test Method
		46	68	
Appearance		B & C	B & C	Visual
Color ASTM		L 0.5	L 0.5	ASTM D 1500
Density @ 15 °C	kg/L	0.8616	0.8685	ASTM D 4052
Kinematic Viscosity @ 40 °C	cSt	46.14	68.28	ASTM D 445
Kinematic Viscosity @ 100 °C		8.50	11.31	
Viscosity Index		164	159	ASTM D 2270
Flash Point (COC)	°C	216	224	ASTM D 92
Pour Point		-33	-42	ASTM D 97
Sequence I : 24 °C	mL	0/0	0/0	ASTM D 892
Sequence II : 93.5 °C		10/0	0/0	
Sequence III : 24 °C after 93.5 °C		0/0	0/0	
Demulsibility @ 54.0 °C/82.0 °C	(min) mL/mL/mL	(10') 40/40/0	(10') 40/40/0	ASTM D 1401

* the typical characteristic mentioned represent mean values