

Entro HLP

Description :

Divyol Entro HLP oils are blended from specially selected high viscosity index hydrotreated base-oils fortified with high performance additives to obtain the required anti-wear, anti-rust and oxidation inhibition characteristics. These are antiwear type having extreme pressure characteristics, excellent demulsibility and anti-foam properties.

Performance Level : Meets

DIN 51524, Part I, Part II,
Parker Denison HF-0, HF-1, HF-2,
Cincinnati Fives P-68, P-69, P-70,
ISO 11158 (HL, HM, HV)
Bosch Rexroth RDE 90235,
JCMAS HK P041,
BIS 11656-1986 (Reaffirmed 2013),
US Steel 126,
ZF TE-ML 07H,
ZF TE-ML 21M,
Danieli 0.000.001 Type 10 & 11,
ASTM D 6158 (HL, HM, HV, HMHP, HVHP),
Chinese Standard GB 11118-1 L-HM (High pressure and General),
Eaton Brochure 03-401-2010,
Eaton lubricants specifications E-FDGN-TB002-E,
GMLS 2 Antiwear Hydraulic oil,
SAE MS 1004,
Swedish Standard SS 155434, 2015.

Application :

- Used in hydraulic systems, enclosed gear boxes, chain drives, reciprocating compressors, vacuum pumps, mining machinery, machine tools, circulating oil system, where in oil is recirculated and used for extended period.
- Specifically recommended for sophisticated high performance electro-hydraulic or numerically controlled high pressure systems.

Performance Benefits :

Maximum seal protection, saves money and simplifies maintenance by preventing fluid loss through leaks.

Typical Physical Characteristics :

Sr. No.	Characteristics	Test Method	HLP 32	HLP 46	HLP 68	HLP 100
1	Appearance	Visual	Bright & Clear			
2	Colour	ASTM D 1500	0.5	0.5	0.5	0.5
3	Kinematic viscosity @ 40°C, cSt	ASTM D 445	32	46	68	100
4	Kinematic viscosity @ 100°C, cSt	ASTM D 445	5.6	7.0	9.1	11.9
5	Viscosity index	ASTM D 2270	110	110	110	110
6	Flash point, COC, °C	ASTM D 92	210	220	230	240
7	Pour point, °C	ASTM D 97	Minus 18	Minus 18	Minus 18	Minus 12
8	Emulsion characteristics @ 54°C ml	ASTM D 1401	40-37-3 (15)	40-37-3 (15)	40-37-3 (15)	-
9	Emulsion characteristics @ 82°C ml	ASTM D 1401	-	-	-	40-37-3 (20)
10	FZG, fail load stage	ASTM D 5182	12	12	12	12
11	Rusting Test	ASTM D 665B	Passes	Passes	Passes	Passes