



For total industrial lubricant solutions



Hydraulic Oil

HYDROVEL HLP

32, 46, 68, 100, 150

IS: 11656-1986 (RA 2002), DIN 51524 PART II, HLP Type

Product Data Sheet

PRODUCT DESCRIPTION: HYDROVEL HLP oils are premium grade extra heavy duty antiwear hydraulic oils (HLP Type) with outstanding thermal & oxidation stability and have exceptional load carrying capacity as indicated by high FZG rating (11 Stage Pass). These oils are blended from highly refined selected base stocks fortified with high quality antioxidant, antiwear additives to satisfy the increased demands of thermal and oxidation stability of modern fluids. These oils have excellent hydrolytic stability, demulsibility, air release characteristic and have good filterability.

APPLICATION: HYDROVEL HLP are recommended for high pressure hydraulic systems, especially for sophisticated high performance electro hydraulic or numerically controlled system, in hydraulic couplings and drive motor bearings. These oils can also be used in screw compressor and enclosed gear boxes due to their outstanding thermal and oxidation stability.

PERFORMANCE LEVEL: Meets IS: 11656 -1986 (RA 2002), DIN 51 524 Part II, HLP Type

Typical Properties

CHARACTERISTICS	HYDROVEL HLP				
	32	46	68	100	150
Grades	32	46	68	100	150
Kinematic Viscosity @40°C, cSt.	30-34	44-48	68-74	95-105	145-160
Viscosity Index, Min.	105	100	100	100	95
Flash Point ,COC, °C,Min.	200	200	220	250	250
Pour Point, °C, Max.	(-9)	(-9)	(-9)	(-6)	(-6)
Copper strip Corrosion for 3 hrs @100°C.	1	1	1	1	1
Rust prevention Test, 24 hrs.	Passes	Passes	Passes	Passes	Passes
Total Acidity (mg of KOH/g of oil)	1	1	1	1	1
Foam Characteristics: Foam stability after 10 minutes settling time ,foam ml,seq I/II/III	Nil	Nil	Nil	Nil	Nil
Emulsion characteristics, Max.	40-37-3 (20)	40-37-3 (20)	40-37-3 (20)	40-37-3 (30)	40-37-3 (30)