

PLUTUS HYDRAULIC OIL HV

Product Description:

Plutus Hydraulic Oil HV are petroleum-based fluids recommended for hydraulic systems, transmissions and pumps operating under widely varying conditions and temperatures. The products' high viscosity indices and low pour points provide fluids with low viscosity for proper flow at cold temperatures and exceptional fluid-film strengths at high temperatures.

Plutus Hydraulic Oil HV are produced from carefully selected high quality, highly refined hydro-treated base oil and the addition of a balanced additive system, including a shear stable viscosity index improver in these oils, thereby providing total year-round protection in a variety of application.

Plutus Hydraulic Oil HV protect equipment from rust and corrosion and provide long-term oxidation stability. Anti-wear agents in Plutus Hydraulic Oil HV provide protection for all types of hydraulic pumps.

Applications / Benefits:

- ▣ Outstanding cold temperature flow properties.
- ▣ Excellent anti-wear performance.
- ▣ Superior rust, anti-corrosion and oxidation stability.

Typical Characteristics:

Test Description	Method	15	22	32	46
ISO Viscosity Grade	-	15	22	32	46
Specific Gravity @ 15 °C	ASTM D 4052	0.845	0.850	0.859	0.864
Flash Point, °C	ASTM D 92	164	182	200	212
Pour Point, °C	ASTM D 97	-45	-45	-39	-36
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	15.02	22.4	31.6	44.5
cSt @ 100°C	ASTM D 445	3.88	4.97	6.21	7.8
Viscosity Index	ASTM D 2270	161	155	150	146
Color	ASTM D 1500	<0.5	<0.5	<0.5	<0.5

Test Description	Method	68	100	150
ISO Viscosity Grade	-	68	100	150
Specific Gravity @ 15 °C	ASTM D 4052	0.866	0.869	0.875
Flash Point, °C	ASTM D 92	210	230	232
Pour Point, °C	ASTM D 97	-36	-33	-30
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	66.1	99.6	145
cSt @ 100°C	ASTM D 445	10.6	14.8	19.1
Viscosity Index	ASTM D 2270	150	155	150
Color	ASTM D 1500	<0.5	<0.5	<0.5

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Product Data Sheet

Specifications, Approvals & Recommendations:

- ASTM D6158 (HM, HV)
- AIST 126, 127
- Bosch Rexroth RDE 90235
- DIN 51524-2 (HM)
- DIN 51524-3 (HV)
- Eaton E-FDGN-TB002-E
- Fives P68, P69, P70 (HM, HV)
- GB 11118.1-2011 (L-HL, L-HM, L-HV, L-HS)
- GM LS-2
- ISO 11158 (HM, HV)
- JCMAS P041 HK Hydraulic specification
- Parker (formerly Denison) HF-0, HF-1, HF-2 (HM, HV)
- SAE MS 1004 (HM, HV)
- SEB 181222

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