



Product Data Sheet

PLUTUS HYDRAULIC OIL HP

Product Description:

Plutus Hydraulic Oil HP are produced from highly refined hydro-treated base stocks and premium grade hydraulic oil additive packages. These products are designed for today's modern hydraulic systems with higher make up rates and sophisticated filtering systems.

The additives found in Plutus Hydraulic Oil HP enhance the anti-wear characteristics of the fluid. They also inhibit foam from forming in the oil and offer a robust protection against rust and corrosion as well as superior filterability.

Plutus Hydraulic Oil HP are suitable for applications used in hydraulic & pump systems where excellent antiwear performance & superior filterability are essential.

Applications / Benefits:

- ▣ Prevents wear.
- ▣ Protects against rust and corrosion.
- ▣ Resists foaming & separates readily from water.
- ▣ Superior filterability.

Typical Characteristics:

Test Description	Method				
ISO Viscosity Grade	-	10	22	32	46
Specific Gravity @ 15 °C	ASTM D 4052	0.835	0.852	0.859	0.862
Flash Point, °C	ASTM D 92	170	198	210	220
Pour Point, °C	ASTM D 97	-39	-36	-33	-30
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	10.3	22.4	31.5	46.4
cSt @ 100°C	ASTM D 445	2.76	4.38	5.4	6.85
Viscosity Index	ASTM D 2270	110	103	105	102
Color	ASTM D 1500	<0.5	<0.5	<0.5	<0.5

Test Description	Method			
ISO Viscosity Grade	-	68	100	150
Specific Gravity @ 15 °C	ASTM D 4052	0.865	0.869	0.875
Flash Point, °C	ASTM D 92	222	228	232
Pour Point, °C	ASTM D 97	-27	-24	-18
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	68.5	97.5	150
cSt @ 100°C	ASTM D 445	8.78	11.27	14.73
Viscosity Index	ASTM D 2270	100	98	97
Color	ASTM D 1500	<0.5	<0.5	<1.5

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Specifications, Approvals & Recommendations:

- ASTM D6158 (HM, HV)
- AIST 126, 127
- Bosch Rexroth RDE 90235
- DIN 51524-2 (HM)
- 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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