



UNITED HYDRO VESTA HYDRAULIC OIL HP

Product Description:

United Hydro Vesta 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 United Hydro Vesta 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 as measured by the stringent Afnor NF E 48-690/691.

United Hydro Vesta 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	10	22	32	46
ISO Viscosity Grade	-	10	22	32	46
Specific Gravity @ 15 °C	ASTM D 4052	0.835	0.856	0.865	0.870
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	68	100	150
ISO Viscosity Grade	-	68	100	150
Specific Gravity @ 15 °C	ASTM D 4052	0.872	0.878	0.889
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



United Oil
PERFORMANCE • VALUE • RELIABILITY

Specifications, Approvals & Recommendations:

- AFNOR NF E 48-690(Dry) & 691 (Wet)
- ASTM D6158 HM (2005)
- Bosch Rexroth
- Bosch Variable Volume Vane Pump
- Cincinnati Machine (MAG IAS) P- 68 (ISO 32)
- Cincinnati Machine (MAG IAS) P- 69 (ISO 68)
- Cincinnati Machine (MAG IAS) P- 70 (ISO 46)
- Commercial Hydraulics (Except Silver coated PM-500 series)
- DIN 51524 Part II
- DIN 51524 Part III HVLP
- Eaton brochure 03-401-2010
- Eaton Vickers I-286-S
- Eaton Vickers M-2950-S
- FZG A/8.3/90 Load test (DIN 51354) at 12th Stage level
- General Motor LH-03
- General Motor LH-04
- General Motor LH-06
- General Motors LS2 (2004)
- ISO 11158 HM (FDIS 2008)
- JCMAS HK P041 (2004)
- Parker Hannifin France (Denison) HF-0 (Revision J)
- Parker Hannifin France (Denison) HF-1, HF-2
- SAE MS1004
- Sauer Danfoss
- SEB 181 222 (2007)
- US Steel 126
- US Steel 127
- US Steel 136

Product Data Sheet