United Oil
PERFORMANCE • VALUE • RELIABILITY

UNITED HYDRO VESTA TURBINE OIL

Product Description:

United Hydro Vesta Turbine Oils are formulated from highly refined hydro-treated base stocks and specially selected additives designed to achieve premium turbine oil performance, particularly in the areas of resistance to oxidation and the formation of sludge and varnish at elevated temperatures. The additive components in United Hydro Vesta Turbine Oils also afford exceptional rust and corrosion protection.

United Hydro Vesta Turbine Oils offer outstanding thermal stability, extended service life and strong water separation properties. These qualities make United Hydro Vesta Turbine Oils as an ideal turbine quality lubricant.

United Hydro Vesta Turbine Oils are suitable in all types of turbines system. The anti-oxidation properties plus the other features incorporated into United Hydro Vesta Turbine Oils render them an outstanding choice for turbine use. United Hydro Vesta Turbine Oils find applications in reciprocating compressors, hydraulic systems where anti-wear additives are unacceptable, gear reducers requiring superior rust and oxidation inhibited lubricants, high temperature circulating oil systems, machine tools and electric motor and pump ring oil bearings.

Applications / Benefits:

- Outstanding thermal stability.
- Exceptional protection against rust and corrosion.
- Extensive service life capacity.
- Unsurpassed water separation properties.

Typical Characteristics:

Test Description	Method					
ISO Viscosity Grade	-	**22**	**32**	**46**	**68**	**100**
Specific Gravity @ 15 ºC	ASTM D 4052	0.854	0.858	0.871	0.880	0.882
Flash Point, ºC	ASTM D 92	210	218	226	232	238
Pour Point , ºC	ASTM D 97	-27	-24	-24	-24	-27
Kinematic Viscosity, cSt @ 40ºC	ASTM D 445	22.6	32.0	46.3	64.2	95.7
cSt @ 100ºC	ASTM D 445	4.45	5.4	6.8	8.3	10.8
Viscosity Index	ASTM D 2270	108	103	100	99	96
Color	ASTM D 1500	<0.5	<0.5	<0.5	<0.5	<0.5

Product Data Sheet

Specifications, Approvals & Recommendations:

- Alstom HGD 90117T
- ALSTOM HTGD 90117 (formerly ALSTOM NBA P 50001A)
- ANSI/AGMA 9005-D94 (R&O grades)
- BS 489
- Cincinnati Machine P-38/54/55/57 (HL)
- Cincinnati Machine P-39
- DIN 51506 (VDL)
- DIN 51515 Part 1 (TD)
- DIN 51515 Part 2 (TG)
- DIN 51517 Part 1/2 (C/CL)
- DIN 51524 Part 1 (HL)
- GE GEK 101941 A
- GE GEK 107395 A
- GE GEK 27070
- GE GEK 28568 A
- GE GEK 32568 F
- GE GEK 28143 B
- GE GEK 32568 F
- GE GEK 46506 D
- GM LJ-03/04/06/10-1-97
- GM LJ-03/04/06/10-2-97
- GM LS-01/02/03-1-97
- MAN Turbo SPD 10000242284
- MIL-PRF-17331 J
- MIL-PRF-17672 D
- Morgan Worchester Advanced Lubricant
- Morgan Worchester Standard Lubricant
- SEB 181 225
- SIEMENS TLV 9013
- SIEMENS TLV 901304
- SOLAR ES 9-224 (Class I/Class II)
- SOLAR ES 9-224W Class II
- VN 108

Product Data Sheet