

HPURE PLUTUS TURBINE OIL

Product Description

Turbine Oils 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 this oil also afford exceptional rust and corrosion protection. Featuring outstanding stability, our products offers oxidation stability (TOST) which exceeds 10,000 hours (time to 2 mg KOH/g).

This product offers extended service life, ashless, zinc-free and strong water separation properties. These qualities make it as an ideal turbine quality lubricant. This product is suitable in all types of turbines system. The anti-oxidation properties plus the other features incorporated into, render them an outstanding choice for turbine use. This product can use in 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

- ✓ Ashless and Zinc-free
- ✓ Exceptional protection against rust and corrosion
- ✓ Outstanding thermal stability, extensive service life capacity
- ✓ Unsurpassed water separation properties

Typical Characteristics

Test Description	Method	Unit	ISO 22	ISO 32	ISO 46	ISO 68
ISO Viscosity Grade	-	-				
Density @ 15 °C	ASTM D 4052	kg/L	0.848	0.857	0.865	0.867
Flash Point	ASTM D 92	°C	192	220	220	226
Pour Point	ASTM D 97	°C	-27	-24	-21	-18
Kinematic Viscosity @ 40°C	ASTM D 445	cSt	21.7	32.2	46.9	68.4
Kinematic Viscosity @ 100°C	ASTM D 445	cSt	4.4	5.6	6.9	9.0
Viscosity Index	ASTM D 2270	-	109	111	102	106

Typical Characteristics

Test Description	Method	Unit	
ISO Viscosity Grade	-	-	ISO 100
Density @ 15 °C	ASTM D 4052	kg/L	0.875
Flash Point	ASTM D 92	°C	242
Pour Point	ASTM D 97	°C	-15
Kinematic Viscosity @ 40°C	ASTM D 445	cSt	98.7
Kinematic Viscosity @ 100°C	ASTM D 445	cSt	11.9
Viscosity Index	ASTM D 2270	-	99

Suggested for the Following Uses

Y		
Y	AGMA	9005-F16 R&O
Y	ASTM	D-4304 TYPE I
Y	ASTM	D-4304 TYPE II
Y	ASTM	D-4304 TYPE III
Y	BRITISH STANDARD	BS 489
Y	DIN	51515 PART 1
Y	DIN	51515 PART 2
Y	DIN	51506 VDL
Y	DIN	51524 PART 1
Y	FIVES CINCINNATI	P-38
Y	GEK	101941A
Y	GEK	32568K
Y	GEK	121608
Y	GEK	27070
Y	GEK	46506E
Y	GEK	28143 B TYPE I
Y	INDIAN STANDARD	IS 1012
Y	ISO	11158 HH
Y	ISO	11158 HL
Y	ISO	8068 TSA
Y	ISO	8068 TGA
Y	ISO	8068 TGE TSE
Y	JIS	K2213 TYPE 2
Y	SIEMENS FLUID	SPECIFICATION 65/0027
Y	SIEMENS AG	TLV 9013 04 STANDARD THERMAL STABILITY
Y	SIEMENS AG	TLV 9013 05 HIGH THERMAL STABILITY
Y	SOLAR TURBINES	ES 9-224