HIKOL TURBINAS HD SERIES

High Quality Industrial Steam and Gas – Zinc Free Turbine Oils

Product Description

Hikol Turbinas HD series are high performance zinc free turbine oils formulated with high quality hydro treated base stocks and advanced additive technology, to provide exceptional equipment protection and reliability in most non-geared steam turbine systems and low to moderate duty gas turbines. They are designed to demonstrate excellent oxidation stability, resistance to sludge & varnish formation, protection against rust & corrosion, low foaming and excellent demulsibility.

Features & Benefits

- Excellent hydrolytic, thermal & oxidation stability prevents varnish & sludge formation and helps in extending life of oil and filter.
- Excellent water shedding property reduces sludge build up and improves efficiency of timing valves.
- Excellent air release & anti-foaming characteristics, avoids cavitation, noise and eratic operations.
- Excellent load carrying properties reduces wear in bearings and gears.
- Excellent protection from rust and corrosion of multi-metallurgy turbine components.

Specifications

Hikol Turbinas HD series meets or exceeds following International and Builder specifications:

- DIN 51515 Part-1 & Part-2
- MAN Turbo Quality Requirement for Lubricants
- Siemens (non-EP) - TLV 9013 04,TLV 9013 05
- GE GEK 28413B/27070/32568J/107395A/46506E
- British Standard BS489 & Solar ES9-224W
- Alstom Power Turbo HTGD 90-117 V0001X (non-EP)

Application

- Hikol Turbinas HD series are suitable for use in Non-geared industrial steam and gas turbines operating under low to medium severity conditions.
- Suitable for use in heavy duty industrial compressor applications lubricated by centralized systems.

Typical Characteristics

Hikol Turbinas HD series	Test Method	Units	32	46	68
ISO Viscosity Grade	ISO 3448	-	32	46	68
Density @ 15 ^{0}C	ASTM D 4052	gm/cc	0.870	0.872	0.875
Viscosity @ 40 ^{0}C	ASTM D 445	cSt	32.2	46.5	68.8
Viscosity @ 100 ^{0}C	ASTM D 445	cSt	5.62	7.10	9.16
Viscosity Index	ASTM D 2270	-	112	110	108
Pour Point	ASTM D 97	°C	-30	-30	-27
Flash Point (COC)	ASTM D 92	°C	224	230	234
TOST, Hours to 2 NN	ASTM D 943	Hours	>10,000	>10,000	>10,000
Copper Strip Corrosion	ASTM D 130	-	1A	1A	1A
Rust Characteristics Proc B	ASTM D 665	-	Pass	Pass	Pass
Air Release , 50 ^{0}C	ASTM D 3427	mins	3	4	4
Foam Seq I,II,III	ASTM D 892	ml/ml	0/0	0/0	10/0
Demulsibility, 40/40/0	ASTM D 1401	min	10	10	10

**The above figures are typical of blends with normal production tolerance and do not constitute a specification.*

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