

DESCRIPTION

ULTRA CLEAR TURBINE series oils are a premium, top-tier full synthetic turbine oil designed specifically to meet the needs of the most severe industrial gas turbine applications. They are highly resistant to oxidation and formation of acids, giving complete protection against the corrosion of critical metal surfaces. It has a very good anti-wear and air release performance. They are recommended for long service in steam, combined cycle and gas turbine and land-based gas turbines, particularly units under 3,000 hp used as standby power units. The product provides outstanding low temperature fluidity beyond the capability of traditional mineral-based products and exceptional performance at high temperatures. ULTRA CLEAR TURBINE series are versatile lubricants available in 32, 46, 68 and 100 ISO VG. They are recommended for use in industrial gas, steam turbine and turbo compressor applications. These products can also be used in other applications which require premium quality rust and oxidation inhibited circulating oils.

SUMMARY OF BENEFITS

- Excellent oxidative stability for outstanding oil life under continuous operating conditions.
- Low sludge and deposit formation tendency keeps the entire turbine system clean.
- Effective rust and corrosion inhibition protects critical metal surfaces.
- Fast water separation, reducing processing and disposal costs.
- Rapid air and gas separation resulting in full fluid lubrication for performance efficiency.
- Compatible with all gaskets, O-rings and sealing materials used in turbine and circulating lubrication systems.

TYPICAL CHARACTERISTICS

SPECIFICATIONS

- ALSTOM HGD 90117T
- SIEMENS TLV 9013
- MIL-PRF-17 331J
- GEK 28568 A
- GEK 32568 F
- GEK 101941 A
- GEK 107395 A
- SOLAR ES 9-224 (CLASS I/CLASS II)
- ANSI/AGMA 9005-D94 (R & O)
- MORGAN WORCHESTER ADVANCED LUBRICANT
- DIN 51515 PART 1 (T D)
- DIN 51515 PART 2 (TG)
- DIN 51517 PART 1/2 (C/CL)
- GM LJ-03/04/06/10-1-97
- GM LJ-03/04/06/10-2-97
- GM LS-01/02/03-1-97
- CINCINNATI MACHINE P-39
- BS 489
- SEB 181 225
- MORGAN WORCHESTER STANDARD LUBRICANT
- VOITH SULZER VN 108

ULTRA CLEAR TURBINE SERIES	TEST METHOD	UNITS	32	46	68	100
DENSITY @ 15°C	ASTM D4052	kg/L	0.860	0.868	0.871	0.880
KINEMATIC VISCOSITY @ 40°C	ASTM D445	cSt	31.1	45.2	67.7	97.5
@ 100°C	ASTM D445	cSt	5.37	6.81	8.80	11
VISCOSITY INDEX	ASTM D2270	-	106	105	102	97
TOTAL BASE NUMBER	ASTM D974	mgKOH/g	0.1	0.1	0.1	0.1
POUR POINT	ASTM D97	°C	-30	-27	-24	-21
FLASH POINT (COC)	ASTM D92	°C	222	228	236	242
FOAMING CHARACTERISTIC						
SEQ I 24°C	ASTM D892	ml/mins	50/0	30/0	30/0	30/0
SEQ II 93.5° C	ASTM D892	ml/mins	30/0	20/0	20/0	20/0
SEQ III 24°C	ASTM D892	ml/mins	50/0	50/0	30/0	30/0

Typical characteristics are only a guide to industry and are not necessarily manufacturing or marketing specifications and do not constitute any legal liability.

STORAGE INSTRUCTIONS & HEALTH, SAFETY AND ENVIRONMENT INFORMATION

All packages should be stored under cover to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C. Health, safety and environmental information is provided for this product in the relevant Materials Safety Data Sheet, which can be obtained by contacting Gulf Western Oil on: 02 9673 9600.

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