

# TECHNICAL DATA SHEET

## TURBINE OIL SERIES



### DESCRIPTION

Turbine Oil series is a range of extended service life, rust and oxidation-inhibited turbine oils, formulated with highly refined base stocks and proprietary additive chemistry for severe and long-life turbine services. They are highly resistant to oxidation and offer outstanding protection against the corrosion of critical metal surfaces. In addition, Turbine Oils provide superior demulsification and excellent filterability. They are designed to have rapid air release for effective performance. Turbine Oils are compatible with all common metals and sealing materials used in the turbine systems.

### 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

### 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

### TYPICAL CHARACTERISTICS

TURBINE OIL SERIES	TEST METHOD	32	46	68	100
DENSITY, KG/LITRE @ 15°C	ASTM D4052	0.860	0.868	0.871	0.880
KINEMATIC VISCOSITY @ 40°C/@ 100°C	ASTM D445	31.1/5.37	45.2/6.81	67.7/8.80	97.5/11
VISCOSITY INDEX	ASTM D2270	106	105	102	97
TBN, MG KOH/G	ASTM D974	0.1	0.1	0.1	0.1
POUR POINT, °C	ASTM D97	-30	-27	24	-21
FLASH POINT, °C	ASTM D92	222	228	236	242
FOAMING CHARACTERISTIC, ML/MINS I/II/III	ASTM D892	50/0,30/0,50/0	30/0,20/0,50/0	30/0,20/0,30/0	30/0,20/0,30/0
AIR RELEASE, SEPARATION TIME @ 50°C, MINS	IP 313	1.6	2.2	3.0	4.8
DEMULSIBILITY, MINS	ASTM D1401	5	10	15	10
OXIDATION STABILITY RPVOT, MINS	ASTM D2272	>900	>900	>900	>900
RUST PREVENTION	ASTM D665	PASS	PASS	PASS	PASS
COPPER CORROSION	ASTM D130	1A	1A	1A	1A

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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### GULF WESTERN PREMIUM QUALITY LUBRICATING OILS (AUST) PTY LTD

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