



Gulf Crest

Premium quality turbine oils for steam, water and non-g geared gas turbines

Product Description

Gulf Crest series are premium quality turbine oils specially designed to satisfy the demanding lubrication requirements of steam turbines in today's power industry. These oils are formulated with high quality severely hydroprocessed API Group II base oils and a premium ashless additive package containing field proven anti-oxidants, corrosion inhibitors and metal deactivators. These oils possess outstanding thermal and oxidation stability, excellent water separability, superior rust and corrosion inhibition, low foaming tendency, good air release properties and resistance to chemical degradation to provide excellent equipment protection, reliable operation and extended service life. While primarily designed for lubrication of steam turbines, these oils are also suitable for water turbines and non-g geared gas turbines. These oils are available in three ISO viscosity grades (32, 46 and 68) and exceed the performance requirements of specifications of major turbine manufacturers. Gulf Crest 46 is approved against the Siemens TLV 9013 04 and TLV 901305 specification for non-g geared turbines.

Features & Benefits

- Outstanding thermal and oxidation stability prevents sludge formation, controls deposits and minimises oil degradation leading to reliable operation
- Excellent water separation capability resists formation of emulsion and leads to easy removal of excess water from the lubrication system
- Effective rust and corrosion inhibitors provide long term protection to critical system components
- Good air release properties and foam control avoid erratic operation and pump cavitation leading to trouble free operation

Applications

- Power generation steam turbines
- Industrial steam turbines
- Water turbines and non-g geared gas turbines
- Turbo compressors
- Applications requiring high quality rust and oxidation (R&O) inhibited oils

Specifications, Approvals & Typical Properties

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Properties mentioned are typical only and minor variations, which do not affect product performance, are expected to arise in normal manufacturing processes. Please follow equipment manufacturer's recommendations for performance level and viscosity grade. The Safety Data Sheet for this product is available from your nearest Gulf Distributor. Please consult our local representative if any further information is required.

The information contained herein is believed to be correct at the time of publication and may be subject to modification from time to time. It is the user's responsibility to verify that this data sheet is current prior to using the product. No warranty expressed or implied is given concerning the accuracy of the information or the suitability of products. Gulf Oil International reserves the right to modify and change its products and specifications without prior notice.

This data sheet has been issued by us in English language only. In the event of any discrepancy between the English language version and any other language version, the English language version shall prevail.



Gulf Crest		32	46	68
Meets the following Specifications				
ASTM D 4304, Type I (non-EP)		X	X	X
BS 489		X	X	X
DIN 51515 Part 1 (TD)		X	X	X
ISO 8068 TSA, TGA		X	X	X
GEK 32568E/F		X		
GEK 28143A		X	X	
GEK 46506e		X		
Siemens TLV 901304, non-geared		X		
Has the following Approvals				
Siemens TLV 901304 and TLV 901305, non-geared			X	
Typical Properties				
Test Parameters	ASTM Method	Test Values		
Viscosity @ 40 °C, cSt	D 445	32.2	46.3	68.1
Viscosity Index	D 2270	105	104	100
Flash Point, °C	D 92	212	218	226
Pour Point, °C	D 97	-24	-21	-18
Density @ 15°C, Kg/l	D 1298	0.852	0.855	0.858
Rust Test	D 665A/B	Pass	Pass	Pass
Copper Corrosion	D 130	1a	1a	1a
Acid Number, mg KOH/g	D 974	0.07	0.07	0.07
Water separability, minutes to 3 ml emulsion @ 54 oC	D 1401	Pass	Pass	Pass
Foam Test, foam after 10 minutes of settling for all sequences	D 892	Nil	Nil	Nil
Air Release, minutes	D 3427	2	3	4
Turbine Oil Stability Test, hrs	D 943	10,000+	10,000+	10,000+
RBOT, minutes	D 2272	1,000+	1,000+	1,000+

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