

ARIES TURBO GAS CC



INDUSTRY

Lubricants

Description

Lubricant formulated with hydrotreated bases, specially designed for the lubrication of the latest-generation gas and combined cycle turbines. Characterised essentially by its exceptional resistance to oxidation, considerably extending its service life. Includes extreme pressure additives, which allow the lubrication of the gearboxes located in the turbine generator shaft.

Lubricant adequate for gas turbines, steam turbines and turbo-compressors that run at high temperatures and require high-performance lubricants. It can be used for the lubrication of ammonia compressors.

Properties

- Extraordinary resistance to ageing and sludge formation.
- High resistance to rust.
- Great water separation capacity.
- Excellent anti-foam properties.
- Very good air elimination.
- Optimum Extreme Pressure properties.

Quality levels

- DIN 51515-L-TGP
- ISO 6743/5-TGE/TSE
- DIN 51506-VDL
- ISO 6743/3-DAB/DAH
- ISO 6743/4-HM
- ISO 6743/6-CKB
- ALSTOM HTGD90117
- SIEMENS TLV 901304 (ISO 32)
- GEK 46506E, GEK 32568j, GEK 28143b, GEK 101941A, GEK 107395A (ISO 32), GEK 120498 & GEK 27070
- SOLAR ES9-224AA Class II
- MAN 10000494596 rev. 02

A safety data sheet is available on request.

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Technical data sheet for Lubricants. Revision 19. March 2020.

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Technical specifications

	UNIT	METHOD	VALUE	
ISO Viscosity Grade			32	46
Density at 15 °C	g/cm ³	ASTM D 4052	0.838	0.843
Viscosity at 40 °C	cSt	ASTM D 445	32.0	46.0
Viscosity at 100 °C	cSt	ASTM D 445	5.9	7.5
Viscosity index	-	ASTM D 2270	120	130
Pour point	°C	ASTM D 97	-15	-15
Flash point	°C	ASTM D 92	230	278
FZG, Fail load stage, min.		DIN 51354	9	10
RPVOT	min	ASTM D 2272	1300	1115
Neutralisation number at 10 000 h	mg KOH/g	ASTM D 943	<2	<2
TAN	mg KOH/g	ASTM D 974	<0.20	<0.20
Air Release at 50 °C	min	ASTM D 3427	<4	<4
Water Separability	min	ASTM D 1401	15	25
Copper strip corrosion test, 3 h 100 °C		ASTM D 130	1b	1b
Foaming characteristics				
- Tendency	ml	ASTM D 892	50/50/50	50/50/50
- Stability	ml	ASTM D 892	0/0/0	0/0/0

The above mentioned characteristics are typical values and should not be considered product specifications.

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