

MAKER ARIES TURBO GAS CC**COMPRESSOR AND
TURBINE****Description**

Lubricant formulated with hydrocracked 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, approvals and recommendations

- 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 9013 04* (ISO 32)
 - SIEMENS TLV 9013 04/05 (ISO 46)
 - GEK 46506E, GEK 32568j, GEK 28143b, GEK 101941A, GEK 107395A (ISO 32), GEK 120498 y GEK 27070
 - SOLAR ES9-224AA Class II
 - MAN 10000494596 rev. 02* (ISO 46)
 - Reintjes BV2327* (ISO 46)
 - CSN 65 6620 (ISO 46)
 - SKODA Tp 0010P/97* (ISO 46)
 - TGM Kanis WN000023 Rev. 14*
- * Formal approval

Technical specifications

	UNIT	METHOD	VALUE	
ISO Viscosity Grade			32	46
Density at 15 °C	g/cm3	ASTM D 4052	0,838	0,843
Viscosity at 40 °C	cSt	ASTM D 445	32	46
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, open cup	°C	ASTM D 92	230	278
FZG, damage stage	-	DIN 51354	9	10
RPVOT	min	ASTM D 2272	1300	1120
Oxidation (TAN = 2)	h	ASTM D 943	>10.000	>10.000
TAN	mgKOH/g	ASTM D 974	< 0,2	< 0,2
Air release at 50 °C	min	ASTM D 3427	< 4	< 4
Water separability at 54 °C	min	ASTM D 1401	15	15
Corrosion Cu, 3hrs 100 °C	-	ASTM D 130	1b	1b
Foams: Sec I, II, III formation	mL	ASTM D 892	50/50/50	50/50/50
Foams: Sec I, II, III, 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.