



# MAKER ARIES TURBO GAS CC

## 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

- DOOSAN SKODA: Tp0010P\* (ISO 46)
- REINTJES: BV2327\* (ISO 46)
- TGM KANIS: WN000023 Rev. 14\* (ISO 32, ISO 46)
- CSN: 65 6620 (ISO 46)
- GEK 107395A (ISO 32)
- ISO: 6743/3 - DAB, DAH (ISO 32, ISO 46)
- ISO: 6743/5 TGE/TSE (ISO 32, ISO 46)
- SIEMENS: TLV 901304 and TLV 901305 (Turbojets with & without Gearbox) (ISO 46)
- MAN: 10000494596-Rev.02.\* (ISO 46)
- SIEMENS: TLV 9013 04\* (ISO 32)
- ALSTOM: HTGD 90117 V0001T (ISO 32, ISO 46)
- DIN: 51515, L-TGP/ 51506 VDL (ISO 32, ISO 46)
- GEK 46506E, GEK 32568j, GEK 28143b, GEK 101941A, GEK 120498 y GEK 27070 (ISO 32, ISO 46)
- ISO: 6743/4 HM (ISO 32, ISO 46)
- ISO: 6743/6-CKB (ISO 32, ISO 46)
- SOLAR: ES9-224AA Class II (ISO 32, ISO 46)

\*Formal approval



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## Technical specifications

	UNIT	METHOD	VALUE	
ISO Viscosity Grade			32	46
Density at 15 °C	g/cm3	ASTM D4052	0,838	0.843
Viscosity at 40 °C	cSt	ASTM D445	32	46
Viscosity at 100 °C	cSt	ASTM D445	5,9	7.5
Viscosity index	-	ASTM D2270	120	130
Pour point	°C	ASTM D97	-15	-15
Flash point, open cup	°C	ASTM D92	230	278
FZG, damage stage	-	DIN 51354	9	10
RPVOT	min	ASTM D2272	1300	1120
Oxidation (TAN = 2)	h	ASTM D943	>10.000	>10.000
TAN	mgKOH/g	ASTM D974	< 0.2	< 0.2
Air release at 50 °C	min	ASTM D3427	< 4	< 4
Water separability at 54 °C	min	ASTM D1401	15	15
Corrosion Cu, 3hrs 100 °C	-	ASTM D130	1b	1b
Foams: Sec I, II, III formation	mL	ASTM D892	50/50/50	50/50/50
Foams: Sec I, II, III, stability	mL	ASTM D892	0/0/0	0/0/0

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