



ARIES TURBOGAS CC

INDUSTRY

Description

Oil formulated with hydrogenated stocks, specially designed for lubricating latest generation gas turbines and combined cycles. Its chief feature is its exceptional resistance to oxidation, which multiplies its useful service life. Contains extreme pressure additives, which allows the lubrication of gearboxes in the turbine axle.

Recommended uses

It is a suitable lubricant for gas and steam turbines and turbo-compressors which run at high temperatures and require a high performance from the lubricant. It has been optimised for the lubrication of ammonia compressors.

Properties

- Exceptional resistance to ageing and sludge formation.
- Great antirust power.
- High water separation capacity.
- Excellent antifoam qualities.
- Good air separation.
- Optimal Extreme Pressure properties.

Quality level

- L-TGP according to DIN-51515 Part 2.
- HM according to ISO 6743/4.
- ALSTOM HTGD 90 117 V0001T
- The ISO CG 32 grade meets the requirements of GEK 101941a and GEK 107395a.
- TGE according to ISO 6743/5.
- CKB according to ISO 6743/6.
- VDL according to ISO 51506
- SIEMENS TLV 901304.

Technical characteristics

	UNIT	METHOD	VALUE	VALUE
Type			32	46
Density at 15°C	g/cm ³	ASTM D 4052	0.838	0.843
ISO VG Grade			32	46
Viscosity at 40°C	cSt	ASTM D 445	32.0	46.0
Viscosity index	-	ASTM D 2270	120	130
Pour point	°C	ASTM D 97	-15	-15
Flash point	°C	ASTM D 92	230	250
FZG Step, min		DIN 51354	8	8
RPVOT	min	ASTM D 2272	1300	1300
No. Neutralisation at 7000h	mg KOH/g	ASTM D 943	< 2	< 2

Available in

Bulk, 830 kg containers and 160 kg drums.

■ Hazard identification

This product is not classified as toxic or dangerous according to current European legislation.

■ Handling

Minimum precautions should be taken to avoid prolonged contact with the skin. The use of gloves, visors or glasses is recommended to avoid splashes.

■ Health and Safety Hazards

Inhalation: Given that it is not a particularly volatile product, the risk of inhalation is minimal.

Ingestion: Do not induce vomiting. Provide water. Seek medical advice.

Contact with the skin: Wash with plenty of water and soap.

Eyes: Wash thoroughly with water.

General measures: Seek medical advice.

■ Fire-fighting measures

No special measures required.

Fire-extinguishing measures: Foams, dry chemicals, CO₂, water spray. Do not apply the jet of water directly as this could cause the product to disperse.

■ Environmental precautions

Danger of physical pollution if spilt (water, coastlines, soil, etc.) due to its floatability and oily consistency that may harm flora and fauna on contact. Avoid material getting into water outlets.

Decontamination and cleaning: Treat like an accidental oil spill. Prevent dispersion using mechanical barriers and remove by physical or chemical means.

A safety information file is available on request.

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Unless otherwise indicated, the figures cited in technical characteristics should be considered typical.