MAKER TURBO ARIES PLUS

Description

Zinc-free lubricant formulated with hydrocracked bases, specially designed for lubrication of latest-generation gas and steam turbines without EP requirements. Characterized essentially by its exceptional resistance to oxidation, considerably extending its service life. The oil has been formulated with carefully selected GIII bases and antioxidant additives, corrosion and rust inhibitors and anti-foaming agents that confer excellent water separability properties, resistance to emulsion formation and anti-foam characteristics.
Lubricant suitable for gas turbines, steam turbines and turbochargers that work at high temperatures and require high performance to the lubricant.

Properties

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

Quality levels, approvals and recommendations

- MAN: 10000494596-Rev.02.* (46)
- DIN: 51515, L-TGP (32, 46)
- GEK: 46506E, 32568J, 120498 y 28143B (46)
- HOWDEN & KKK (46)
- ISO: 6743/4 HM (32, 46)
- ISO: 6743/6-CKB (32, 46)
- SOLAR: ES9-224AA Class II (32, 46)
- DIN: 51506 - VDL (32, 46)
- GEK: 121608 B (32)
- GEK: 46506E, GEK 32568J, GEK 120498, GEK 107395A y GEK 28143B (32)
- ISO: 6743/3 - DAB, DAH (32, 46)
- ISO: 6743/5 TGB/TSA (32, 46)
- SIEMENS: TLV 901304 and TLV 901305 (Turbosets without Gearbox) (46)

*Formal approval

Technical specifications

	UNIT	METHOD	VALUE	
ISO Viscosity Grade			32	46
Density at 15 ºC	g/cm3	ASTM D4052	0.838	0.843
Viscosity at 40 ºC	cSt	ASTM D445	32.0	46.0
Viscosity index	-	ASTM D2270	120	130
Pour point	ºC	ASTM D97	-15	-15
Flash point, open cup	ºC	ASTM D92	230	250
Air release at 50 °C	min	ASTM D3427	1	2
RPVOT	min	ASTM D2272	1776	1770
RPVOT Modified	min	ASTM D2272	1742	1735
Oxidation (TAN = 2)	h	ASTM D943	>14,000	>14,000
Water separability at 54 °C (15 min)	mL	ASTM D1401	40/37/3	40/37/3

Safety data sheets are available on request at: lubricantes@repsol.com

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Technical specifications

	UNIT	METHOD	VALUE	
Corrosion Cu, 3hrs 100 °C	-	ASTM D130	1a	1a
FZG, damage stage	-	ASTM D5182	7	8

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