



## MAKER ARIES

### Description

Range of oils of the so-called turbine type, both due to their manufacturing process and because, in fact, some of the oils are specifically formulated for said application. They are obtained from selected paraffinic bases to which oxidation, rust and anti-foam inhibitor additives are added to endow them with excellent properties and magnificent performance in service.

Oils with ISO grades between 32 and 100 (inclusive) are normally used in turbines, mainly steam or hydraulic, but they are also highly suitable for compressors, hydraulic systems, etc. The higher viscosity oils (types 125, 150, 220 and 380) are suitable for the lubrication of various types of mechanical equipment, in casing or by circulation.

### Properties

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

### Quality levels, approvals and recommendations

- ABB Turbocharger VTR304-11 / -21 (68)\*
- BURCKHARDT COMPRESSION VSB 1001132/1001133 (150)\*
- DANIELI STANDARD 0.000.001 (220)
- DANIELI STANDARD N. 0.000.001 - REV.15 (100, 220)\*
- DIN 51506 VBL
- DIN 51515, L-TD (100, 32, 46, 68)
- DIN 51517 parte 2 - CL
- DIN 51524 HL
- GEK 46506E (32, 46, 68)
- ISO 6743/2 - FC
- ISO 6743/4 HL, 11158 HL
- ISO 6743/5 TGA/TSA
- ISO 6743/6-CKB
- ISO 6743-3A, DAB/DVA/DVC/DVE

\*Formal approval

**MAKER ARIES****Technical specifications**

	UNIT	METHOD	VALUE						
ISO Viscosity Grade			32	46	68	100	125	150	220
Density at 15 °C	g/cm3	ASTM D4052	0.870	0.880	0.884	0.887	0.888	0.891	0.895
Kinematic viscosity at 40 °C	cSt	ASTM D445	32	46	68	100	125	150	220
Kinematic viscosity at 100 °C	cSt	ASTM D445	5,4	6.8	8.5	11	13	14.5	19
Viscosity index	-	ASTM D2270	100	98	98	97	97	97	95
Air release at 50 °C	min	ASTM D3427	<4	5	6	-	-	-	-
Air release at 75 °C	min	ASTM D3427	-	-	-	5	5.1	6.7	10.5
Corrosion Cu, 3hrs 100 °C	-	ASTM D130	1b	1b	1b	1b	1b	1b	1b
Flash point, open cup	°C	ASTM D92	215	220	230	245	255	260	260
Foams: Sec I, II, III formation		ASTM D892	50/50/50	50/50/50	50/50/50	50/50/50	50/50/50	50/50/50	50/50/50
Foams: Sec I, II, III, stability		ASTM D892	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
Oxidation (TAN = 2)	h	ASTM D943	>2,000	>2,000	>2,000	>2,000	>2,000	>2,000	>2,000
Pour point	°C	ASTM D97	-15	-12	-12	-12	-12	-12	-12
Rust, method A	-	ASTM D665	Pass	Pass	Pass	Pass	Pass	Pass	Pass
TAN	mg KOH/g	ASTM D664	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Water content	ppm	ASTM D6304	<0,1	<0,1	<0,1	<0,1	<0,1	<0,1	<0,1
Water separability at 54 °C	min	ASTM D1401	<20	<20	<30	-	-	-	-
Water separability at 82 °C	min	ASTM D1401	-	-	-	<40	<40	<40	<40

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

Safety data sheets are available at: <https://lubricants.repsol.com/en/>

Lubricant Technical File RP\_6075G, RP\_6075H, RP\_6075I, RP\_6075J, RP\_6075K, RP\_6075L, RP\_6075M

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