



ARIES

INDUSTRY

Description

This is a range of oils of the so-called turbine kind, due to their manufacturing process and because, in actual fact, some of them are specifically for this application. They are obtained from selected paraffin bases; oxidation, rust and anti-foam inhibitor additives are added to endow them with excellent properties and magnificent performance in service.

Recommended uses

The lowest viscosity oils (ISO grades 7, 15 and 22) are generally used in high precision or highly revolutionary mechanisms. ISO grades between 32 and 100 grades inclusive, are normally used in turbines, mainly steam or hydraulic, but they are also very suitable for compressors, hydraulic systems, etc. The higher viscosity oils (types 125, 150, 220 and 380) are suitable for various types of mechanical equipment, lubrication being by splash or forced circulation.

Properties

- Great resistance to ageing and sludge formation
- Excellent antifoam properties and air elimination capacity.
- Great water separation facility and resistance to rust.

Quality level

These oils comply with or exceed the following quality levels.

	TYPE-ISO GRADE							
	22	32	46	68	100	(125)	150	220
DIN 51515 (part 1)		L-TD	L-TD	L-TD	L-TD			
DIN 51517 (part 2)	CI	CI	CI	CI	CI	CI	CI	CI
DIN 51506	VCL	VCL	VCL	VCL	VCL	VCL	VCL	VCL
ISO 6743 (part 2)	FC	FC	FC	FC	FC	FC	FC	FC
ISO 6743 (part 3 A): DAB/DVA/DVC/DVE	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
ISO 6743 (part 4)	HL	HL	HL	HL	HL	HL	HL	HL
ISO 6743 (part 5): TSA/TGA	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
ISO 6743 (part 6)	CKB	CKB	CKB	CKB	CKB	CKB	CKB	CKB

Technical characteristics

	UNIT	METHOD	VALUE									
			7	15	22	32	46	68	100	(125)	150	220
Viscosity at 40°C	cSt	ASTM D 445	7	13.8	24	32.0	46.0	68	100	125	150	220
Viscosity at 100°C	cSt	ASTM D 445	2.1	3.4	4.3	5.4	6.8	8.5	11	13	14.5	19
Viscosity index		ASTM D 2270	97	95	100	100	98	98	97	97	97	95
Density	g/cm ³	ASTM D 4052	0.846	0.860	0.865	0.87	0.880	0.880	0.885	0.890	0.890	0.895
Pour point	°C	ASTM D 97	-27	-18	-15	-15	-12	-12	-12	-12	-12	-12
Flash point	°C	ASTM D 92	150	180	200	215	220	230	245	255	260	260
No. Neutralisation at 2000h	mgKOH/g	ASTM D 943	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Available in

GRADE	7	15	22	32	46	68	100	125	150	220
Bulk				x		x	x			x
875 kg container				x	x	x	x		x	x
185 kg drum			x	x	x	x	x	x	x	x
180 kg drum	x	x								
18 kg drum						x				

■ Hazard identification

Aries 7 is classified as harmful. It may cause lung damage if ingested. The rest of the Aries range 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.