

**REPSOL****Shanghai PingYiao Trading CO., Ltd.**

**REPSOL**
INDUSTRIAL***TURBO ARIES***

Description

In order to satisfy the high demands made by several turbine manufacturers, a type of lubricant has been developed which conforms, with excellent results, to such diverse accelerated oxidation tests as IP-280, ASTM-D-2272 and IP-328 as well as exceeding 4000 h. in the conventional ASTM-D-943. In addition, these types of oils have also passed radioactive exposure tests which certify them for use in nuclear power stations.

Recommended uses

Specially recommended in nuclear and thermal power stations for steam turbines requiring rust and oxidation inhibiting oils having a long service life. They can also be used in Aries and Merak applications to give greater durability.

Properties

Extraordinary resistance to ageing and sludge formation.

Excellent rust prevention.

Good water separation properties.

Shanghai PingYiao Trading CO., Ltd.

Address: Xuhui District, Shanghai Caoyi Yinhai Building, A1207 Room, No. 250

Telephone helpline: 15900706965

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Excellent anti-foam agents.

Very good air release.

Used in most of the turbines installed in Spain.

Quality Level

In general they easily exceed all the quality standards applicable to this type of equipment.

DIN-51515 Part 1 L-TD

DIN-8659 Part 2

DIN-51517 Part 2 CL

ISO 3498 (1986) CKB

DIN-51506 VBL y VCL

Type EP is MIL L-17331 H

It also meets the following specifications: ABB, SIEMENS, WESTINGHOUSE, AEG, ALSTHOM, KKK,

Technical Characteristics

	UNITS	METHOD	VALUE	VALUE	VALUE	VALUE
Type			32	46	68	EP
ISO VG Grade			32	46	68	--
Viscosity, 40°C cSt		ASTMD445	32	46	68	80
Viscosity, 100°C cSt		ASTMD445	5,4	6,7	8,5	9,6
Viscosity Index		ASTM D 2270	95	95	95	95
Pour Point.	° C	ASTM D 97	- 15	- 9	- 9	- 9
Flash Point	° C	ASTM D 92	190	200	215	215
Oxidation, at 2,0 N. Neutralization	Hr.	ASTM D 943	>4000	>4000	>4000	>1000

Available in

Bulk and 185 Kg drums: ISO grades 32, 46 and 68.

5 litre cans: ISO grade 32.

Hazard Identification

This product is not classified as toxic or hazardous under current legislation.

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Handling

Certain minimum precautions to avoid prolonged contact with the skin should be taken when handling. The use of gloves, visors or masks is recommended in order to avoid splashes.

Health and safety hazards

Inhalation: Minimum risk of inhalation as it is a non-volatile product.

Ingestion: Does not provoke vomiting. Drink water. Seek medical assistance.

Contact with Skin: Wash with abundant water and soap.

Eyes: Wash with abundant water.

General measures: Seek medical assistance.

Fire fighting measure

No special measures are required.

Fire control: Foams, dry chemicals, CO₂, water spray. Do not apply water jet directly as this may cause the product to spread.

Environmental precautions

Danger of physical contamination in the case of spillage (water flows, coastal areas, the ground, etc.) due to its floating capacity and oily consistency which may cause damage to fauna and flora with which it comes into contact. Avoid its penetration into water containers or outlets.

Decontamination and cleaning: Treat as an accidental oil spillage. Avoid spreading by using mechanical barriers and eliminate using both physical and chemical means.



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Unless otherwise specified, the values cited in technical characteristics should be considered as typical.

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