



CIRCULACIÓN

INDUSTRY

Description

These oils are made from carefully selected and specially treated paraffin bases, which give the finished products high viscosity, good resistance to oxidation and excellent demulsifying qualities. They are prepared in viscosity grades traditionally used in the lubrication of bearings of the rolling mills.

Recommended uses

These are typical oils to lubricate by circulation the bearings subjected to severe services, used in rolling mills.

Because of their characteristics, they are also suitable for lubrication of industrial reducers not subjected to shocks or big loads, as well as for some compressor casings which require these viscosities and do not need antiwear oils.

They are also suitable for low-speed smooth bearings of a wide diameter, with drop-feed oiling, bath oiling or ring oiling.

Properties

- High viscosity rate.
- Low freezing point.
- High stability.
- Low carbon residue.
- Very good water separation.
- Good antirust properties.

Quality level

- ISO 6743/2 - FC.
- DIN 51517 part 2-CL.
- DIN 51524 - HL

Technical characteristics

	UNIT	METHOD	VALUE	VALUE	VALUE	VALUE	VALUE
ISO Grade			220	320	(390)	460	680
Viscosity at 40°C	cSt	ASTM D 445	230	320	390	460	680
Viscosity at 100°C	cSt	ASTM D 445	18	24	27.5	30	39
Viscosity rate		ASTM D 2270	95	95	95	95	95
Density	g/cm ³	ASTM D 4052	0.896	0.901	0.904	0.906	0.907
Flash point	°C	ASTM D 92	230	235	240	265	265
Pour point	°C	ASTM D 97	-9	-9	-9	-9	-9
Disemulsion	min	ASTM D 1401	< 20	< 20	< 30	< 45	< 60
T.A.N.	mg KOH/g	ASTM D 664	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Resistance to rust (Method A)		ASTM D 2272	Pass	Pass	Pass	Pass	Pass

Available in

Bulk and 185 kg drums.

■ Hazard identification

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

Technical data sheet for Lubricants. Review 2. December 2008.