

Description

Repsol Circulacion EP is a premium quality lubricant enhanced with Extreme Pressure additives to protect your equipment over a wide range of load and temperature conditions. Therefore, in addition to having a high viscosity index, these oils are highly resistant to oxidation and have excellent demulsifying capacity, reaching load step 12 in the FZG test. These oils are commonly used to lubricate bearings by circulation system subjected to very severe service conditions, including water contamination. Designed especially for lubrication in rolling mills or in environments which have high moisture content.

Their characteristics also make them suitable for lubricating industrial gearboxes running with medium loads. These oils, despite their EP additives, remain innocuous in the presence of metals, for which they can be used to lubricate large-diameter slow-speed plain bearings by means of drip feed, oil bath or oil ring lubrication. In their lowest level of viscosity, these oils are also used to lubricate medium-speed ball or roller bearings.

Properties

- Superior oxidation resistance under high operation temperatures.
- Medium extreme pressure additives to protect the equipment working at medium loads.
- Longer drain oil intervals and outstanding varnish and sludge build up control.
- High de-emulsifying capacity (quick separation from water).
- Good antifoaming characteristics.
- Resistance to the rupture of the lubricant film.

Quality levels

- ISO 6743/2 - FC
- DIN 51517 Part 3 -CLP
- DIN 51524 – Part 2 HLP
- AGMA 9005 for inhibited (R&O) oils

Technical specifications

	UNIT	METHOD	VALUE	
SAE GRADE			220	320
Density at 15 °C	g/mL	ASTM D 4052	0.89	0.91
Viscosity at 100 °C	cSt	ASTM D 445	19	23
Viscosity at 40 °C	cSt	ASTM D 445	220	320
Rust Resistance (method A)		ASTM D2272	Pass	Pass
Viscosity index	-	ASTM D 2270	95	93
Flash point, open cup	°C	ASTM D 92	260	260
Pour point	°C	ASTM D 97	-9	-9
FZG load step		DIN 51354	12	12
Water Separability (@82°C)	min	ASTM D1401	<20	<20

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

A safety information file is available on request.

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