



SERIE 3

DIESEL

Description

Monograde mineral lubricant oil with great detergent power. Specially recommended for public works machinery and stationary engines. Also suitable for use in aspirated and slightly supercharged diesel engines working in moderate or severe conditions with frequent drainage periods.

Properties

- Its high detergency eliminates the products produced by the combustion of the hottest parts of the engine. It keeps the segment shafts clean and ensures perfect watertightness.
- Conservation and prolongation of engine life.
- Its alkaline reserve (TBN) enables it to protect the engine against corrosion by neutralising the acids formed in the combustion of diesel with different sulphur contents.
- It maintains an adequate pressure in all working conditions.
- Good anti-wear properties, which leads to minimal wear in engine parts; the latter maintains its maximum power for a long time.

Quality level

- API CF/SF
- ACEA E2
- ALLISON C3
- MB 228.0
- MAN 270
- MTU Type 1
- CATERPILLAR TO2

Technical characteristics

	UNIT	METHOD	VALUE	VALUE	VALUE
SAE Grade			30	40	50
Density at 15°C	g/ml	ASTM D 4052	0.894	0.903	0.903
Viscosity at 100°C	cSt	ASTM D 445	11.8	14.9	19.3
Viscosity at 40°C	cSt	ASTM D 445	105	148	218
Viscosity index	-	ASTM D 2270	100	100	100
Flash point, open cup	°C	ASTM D 92	215 minimum	225 minimum	215 minimum
Pour point	°C	ASTM D 97	-24	-21	-18
T.B.N.	mg KOH/g	ASTM D 2896	12	12	12
Sulphated ashes	% in weight	ASTM D 874	1.5	1.5	1.5

Available in

- REPSOL Serie 3 SAE 30: 5 litre plastic container, 185 kg and 18 kg drum, 875 kg container and bulk.
- REPSOL Serie 3 SAE 40: 1 and 5 litre plastic container, 185 kg and 18 kg drum, 875 kg container and bulk.
- REPSOL Serie 3 SAE 50: 185 kg and 18 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.