

REPSOL

TRANSMISSIONS AND BOXES

CARTAGO MULTIGRADO EP 80W90 & 85W140

Description

An EP multigrade lubricating oil, recommended for use in vehicle differentials or in hypoid or helicoidal transmission groups, as well as in manual change boxes where an API:GL-5 oil is required.

Qualities

- Great capacity to withstand charges and momentary elevated temperatures. Extreme Pressure (EP).
- Very good resistance to ageing.
- Excellent antioxidant and anti-foam properties.
- Facilitates lubrication at low temperatures.
- Being a multigrade oil, it provides excellent protection in extreme conditions of temperature and use.
- It offers the best response to synchronisms in manual boxes which a monograde oil, due to lesser friction in the gear teeth, especially at low temperatures.
- Good anti-wearing properties which prolong the useful life of the transmission.
- Water resistancy.

Quality Level

- API GL-5
- MIL-L-2105-D

Technical Characteristics

	UNITS	METHOD	VALUE	VALUE
SAE Grade			80W90	85W140
Density at 15°C	g/cm ³	ASTM D 4052	0,8980	0,9140
Viscosity at 100°C	cSt	ASTM D 445	14,3	28,3
Viscosity at 40°C	cSt	ASTM D 445	131	400
Viscosity at -26°C	cP	ASTM D 2983	150.000 max.	150.000 max.
Viscosity index	-	ASTM D 2270	105 min.	95 min.
Flashing point, open cup	°C	ASTM D 92	170 min.	190 min.
Freezing point	°C	ASTM D 97	-27	-18
F.Z.G. stage 12, min		DIN 51354	Pass	Pass
4 Balls, ICD		ASTM D 2783	50 min.	50 min.

Available in

80W90 Grade: 180 and 45 Kg. Drums and 5 and 2 litres metallic cans.
85W140 Grade: 185 Kg. Drums and 5 litres metallic cans.

Hazard Identification

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

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.

Emergency telephone number. Instituto Nacional de Toxicología 915620420

A safety data file exists.

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