



TRANSMISSION EPM 90 and 140

■ Description

Extreme pressure monograde lubricant, formulated from excellent paraffin bases. Recommended for manual transmissions, differentials, steering mechanisms which require API GL-4 oil and operating at medium severity conditions. It is not suitable for heavy duty hypoid axles.

■ Properties

- High performance EP additives to provide excellent load carrying ability.
- Excellent thermal and oxidation stability to reduce high temperature oil degradation and oil thickening.
- Its anti-foam properties prevent the formation of foam and facilitates good lubrication of the different transmission parts.
- Good anti-wear properties, to prolong transmission life.
- Mild EP and anti-rust properties- non-corrosive towards sensitive copper alloy components.

■ Quality levels

- API GL-4

■ Technical characteristics

	UNIT	METHOD	VALUE	VALUE
SAE Grade			90	140
Density @ 15°C	g/cm ³	ASTM D 4052	0.899	0.901
Viscosity @ 100°C	cSt	ASTM D 445	17.8	27.7
Viscosity @ 40°C	cSt	ASTM D 445	200.0	395.0
Viscosity index	-	ASTM D 2270	97	96
Flash point, open cup	°C	ASTM D 92	200 min	220 min
Pour point	°C	ASTM D 97	-6 max	-9 max

■ 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.

This PDS is available at www.repsoloil.com.my.

For more information about Repsol please visit www.repsol.com

Unless otherwise indicated, the figures cited in technical characteristics should be considered typical.