



FORMULA PREMIUM SM 10W40

■ Description

Semi-synthetic lubricant recommended using in gasoline and light duty diesel vehicles. It specially helps to maintain the highest performance operating under severe driving conditions. The selected synthetic components maintain excellent lubrication and low volatility, excellent deposit control and reduce engine wear and shear. It is recommended for all types of high performance gasoline and light duty diesel engines. Besides, it is also suitable for gasoline engines requiring lower performance levels such as API SL, SJ, SH and SG.

■ Properties

- Excellent thermal and oxidation stability to reduce oil ageing.
- Maintains viscosity when operating at severe driving condition.
- Excellent wear protection to longer engine life.
- Contain active cleaning agents to provide outstanding engine cleanliness.

■ Quality levels

- API SM/CF

■ Technical specifications

	UNIT	METHOD	VALUE
SAE grade		-	10W40
Density @ 15°C	g/cm ³	ASTM D 4052	0.856
Viscosity @ 100°C	cSt	ASTM D 445	14.0
Viscosity @ 40°C	cSt	ASTM D 445	93.0
Viscosity @ -25°C	cP	ASTM D 5293	7000 max
Viscosity Index	-	ASTM D 2270	154
Flash point, open cup	°C	ASTM D 92	220 min
Pour point	°C	ASTM D 97	-36 max
T. B. N.	mg KOH/g	ASTM D 2896	7.0

■ Hazard identification

This product is not classified as toxic or dangerous 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: Low-volatility product, therefore the risk from inhalation is minimal.

Ingestion: Do 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 measures

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 case of spillage (watercourses, 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.

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.