

TECHNICAL DATA SHEET | AUTOMOTIVE

# Engen Gearlube EP 80W-90

*Extreme Pressure (EP) Multipurpose Automotive Gear Lubricant*



**PETRONAS**

Engen is a  
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## Description

Premium quality, multipurpose gear lubricant containing sulphur-phosphorus EP additives developed to meet the rigorous demands of commercial-fleet manual transmissions, drive axles and final drives. They are also suitable for similar components of farm and contractor equipment, and passenger cars.

When this product is properly applied at the intervals recommended by manufacturers, it will comply with new vehicle warranty requirements. Engen Gearlube EP 80W-90 conforms to API Service classification GL-5.

## Benefits & Features

- Resistance to high temperature oxidation.
- Multipurpose capability minimizes misapplication.
- Protection against wear & scoring under all operating conditions, High Speed, High Torque and Shock Loading.
- Protection against rust and corrosion in wet operating conditions.

## Application

Engen Gearlube EP 80W-90 is suitable for initial fill, top-up, and refill of manual gearboxes, gearcases of semi-automatic transmissions where EP gear oils are recommended, as well as drive axles and final drives of passenger cars, bakkies trucks and contractor, mining and farm equipment. The exceptional chemical and thermal stability of these oils permit their use at intermittent bulk oil temperatures up to 150°C with realistic drain and refill schedules.

## Performance Level

Meets or exceeds the following Industry Standards:

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

Meets or Exceeds Approvals & Specifications:

- MAN 342 Type M-2

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## Typical Physical Characteristics

ENGEN GEARLUBE EP 80W-90			
PARAMETERS	METHODS	UNITS	TYPICAL VALUES
SAE No.	-	-	80W-90
Viscosity @ 40°C	ASTM D445	cSt	131
Viscosity @ 100°C	ASTM D445	cSt	14,4
Viscosity Index	ASTM D2270	-	109
Pour Point	ASTM D5950	°C	-27
Timken OK Load	ASTM 2782	kg	30

All technical data is provided for reference only. These characteristics are typical of current production. Whilst future production will conform to Engen's specification, variations in these characteristics may occur.

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## Health, Safety and Environment

This product is unlikely to present any significant health and safety hazards when used in the recommended application. Avoid contact with skin. Wash immediately with soap and water after skin contact. Do not discharge into drains, soil, or water. For further detail regarding storage, safe handling, and disposal of product, please refer to Product SDS. Safety Data Sheets are available for all our products and should be only be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility shall be taken by either Engen or its subsidiaries and related holding corporation for any loss or injury or any direct, indirect, special, exemplary, consequential damages or any damages whatsoever, whether in action of contract, negligence or other tortious action, in connection or resulting from abnormal use of the materials and/or information, from any failure to adhere to recommendations, or from hazards inherent in the nature of the materials and/or information. All products, services and information supplied are under our standard conditions of sale. Please consult with any of our local representatives in the event you require any further information.

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