

## Technical Data Sheet

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PETRONAS

# Engine Oil 10W-40

## Description and Applications

Engine Oil 10W-40 is a semi-synthetic low SAPS engine oil developed, in co-engineering with FPT, based on a technology capable to meet ACEA E9 and E11, to offer high performance and enhanced protection for the engine. Its particular formulation is obtained as a result of thousands of hours of laboratory, bench and field tests.

Engine Oil 10W-40 is suitable for off-road and marine engines fitted with HI-eSCR system, common rail injection, particulate filter, variable geometry turbine and for Natural Gas engines.

Its new low SAPS formulation offers improved wear protection and thermal stability, high protection for the particulate filter against combustion residues and it's backward compatible with previous generation API CJ-4.

## Approvals, Specifications and Recommendations

### Specifications

- API CK-4
- ACEA E11

Note: Always consult your owner's manual to check recommended viscosity grade and specifications for your specific vehicle

### Approvals

- FPI9.LUBR001-TLS CK4
- FPI9.LUBR003-TLS CK4

## Typical Physical Data

Parameters	Method	Unit	Typical Value
Appearance	--	--	Clear
Density @ 15°C	ASTM D 4052	g/cm <sup>3</sup>	0.870
Kinematic Viscosity @ 100°C	ASTM D 445	mm <sup>2</sup> /s (cSt)	15.5
Viscosity Index	ASTM D 2270	--	150
Pour Point	ASTM D 97	°C	-39
Flash Point COC	ASTM D 92	°C	224
TBN	ASTM D 2896	mg KOH/g	9.5

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

### 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 refers to product SDS or contact us at: [www.pli-petronas.com](http://www.pli-petronas.com)

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