



# PETRONAS Akcela Engine Oil PLUS

## 15W-40

### Description and Applications

PETRONAS Akcela Engine Oil PLUS is a mineral based engine oil dedicated to agricultural and construction machinery, able to keep their efficiency and offering a longer life-cycle by protecting from oxidation, decomposition, wear, and keeping an optimal pistons' cleanliness and viscosity stability. Perfect solution for high and long-lasting performances for your hard-daily work, protecting your tireless machinery from loss of performances and unplanned downtimes.

PETRONAS Akcela Engine Oil PLUS is a low SAPS oil that is suitable for Tier 4 and Stage V heavy duty diesel applications including modern, high-output, low emission engines fitted with emission control systems using DPF, SCR, DOC, EGR and HI-eSCR technologies. It is also suitable for older turbocharged and naturally aspirated diesel engine generations running on high or ultra-low Sulphur diesel and bio-diesel.

Its formulation, compliant with the latest CK-4 stringent requirements, offers high oxidation stability to ensure optimized performance for extended drain interval (up to 750 hours).

### Approvals, Specifications and Recommendations

#### Specifications:

- ACEA E7, E9
- API CK-4, CJ-4/ API SN
- JASO DH-2

#### Performance Level:

- CNH MAT 3522
- CAT ECF-3
- Cummins CES 20086

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

### Typical Physical Data

Parameters	Method	Unit	Typical Value
Appearance	-	-	Clear
Density @15°C	ASTM D 4052	g/cm <sup>3</sup>	0.876
Kinematic Viscosity @ 100°C	ASTM D 445	mm <sup>2</sup> /s (cSt)	14.7
Viscosity Index	ASTM D 2270	-	132
Pour Point	ASTM D 97	°C	< -35
Flash Point COC	ASTM D 92	°C	250
TBN	ASTM D 2896	mg KOH/g	> 8.5

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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