



## TECHNICAL SPECIFICATIONS



### EKO FORZA PREMIUM SAE 15W-40 Commercial vehicle engine oil

#### DESCRIPTION

EKO FORZA PREMIUM 15W-40 is a very high performance, heavy duty diesel engine oil, suitable for on-highway vehicles and off-road equipment operating in demanding conditions.

EKO FORZA PREMIUM 15W-40 is approved by major manufacturers like MERCEDES BENZ, MAN, VOLVO, RENAULT and MACK and meets CATERPILLAR ECF-2 and CUMMINS 20078 quality level, so it the best choice for EURO 4 and older engines, where ACEA E7, API CI-4 engine oil of SAE 15W-40 viscosity grade is recommended.

#### SPECIFICATIONS

ACEA E7, API CI-4/ SL, ACEA A3/B4, CATERPILLAR ECF-2, CUMMINS CES 20078, MTU TYPE 2.

#### OEM Approvals

- “MB-Approval 228.3”
- MAN M 3275-1 approval
- VOLVO STD 417-0002 approval: VOLVO VDS-3 approval, MACK EO-N approval, RENAULT RLD-2 approval

#### APPLICATIONS

Applications include on-highway light and heavy duty trucks, off-highway equipment used in constructions, mining and agriculture and mixed fleet operations. It is suitable for both naturally aspirated and turbo-charged diesel engines of American, European and Japanese manufacturers.

*Note: For the latest generation of low-emission, heavy duty diesel engines equipped with modern exhaust after-treatment systems, you should use low emissions engine oils EKO FORZA ULTRA LE 15W-40 and EKO FORZA PLATINUM FORMULA LE 10W-40.*

#### BENEFITS

- Provides excellent wear protection even at the most extended oil drain intervals.
- Its high TBN value (as specified by CUMMINS CES 20078 specifications) and the excellent TBN retention capability, offer superior anti-corrosion protection and deposit control.

The information provided from this data sheet is accurate as of the date printing. For more information/ clarifications, please contact EKO ABEE Technical Support, Tel. + 30 210 5509 511, +30 210 7725 418. For recommendations on safe handling and use of this product, please refer to Safety Data Sheet.



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- Provides superior oxidation and thermal stability which drastically reduces deposits and sludge build-up and prevents viscosity increase, resulting to longer oil and engine life and less maintenance and operating costs.
- Exhibits excellent low temperature fluidity which helps minimize start-up wear.
- Suitable for mixed fleets applications, allows use of one engine oil and simplifies the lubricants inventory.

#### TYPICAL PROPERTIES

Properties	Methods	Units	EKO FORZA PREMIUM SAE 15W-40
SAE Classification	-	-	15W-40
Viscosity @100°C	ASTM D 445	cSt	14,5
Viscosity @40°C	ASTM D 445	cSt	105,9
Viscosity Index (VI)	ASTM D 2270	-	140
Density @ 15°C	ASTM D 4052	g/ml	0,885
TBN	ASTM D2896	mg KOH /g	11,8
Pour Point	ASTM D 5950	°C	-30
Flash Point	ASTM D 92	°C	224

#### HYGIENE AND SAFETY

Used lubricants must be collected in an authorized collection area. They must not be mixed with solvents, water, brake fluids and antifreeze. Do not dispose into drains, soil or water.

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