



## PRODUCT DATA SHEET



### EKO FORZA PREMIUM 20W-50

Lubricant for commercial vehicle engines

#### DESCRIPTION

EKO FORZA PREMIUM 20W-50 is an exceptionally high-performance lubricant, especially designed to protect and keep the engine clean at extended oil drain intervals. Suitable for modern diesel engines operating on and off road in demanding conditions.

#### SPECIFICATIONS

ACEA E7, API CI-4, API CF/SL, MB 228.3, MAN M3275, CATERPILLAR ECF-1a, GLOBAL DHD-1.

#### APPLICATIONS

- Heavy-duty, naturally aspirated and turbocharged diesel engines.
- On and off-highway applications.
- Meets the requirements of all major manufacturers allowing for the use of one lubricant for mixed fleets of commercial vehicles and earthmoving equipment of different manufacturers.

#### ADVANTAGES

The latest technology additives used in the formulation of EKO FORZA PREMIUM 20W-50, provide performance reserve in critical tests included in ACEA and API standards:

- Excellent performance in oxidation resistance: 35% better than ACEA E7-16 limits in Oxidation (PDSC) test.
- Excellent performance in corrosion control: >50% better than API CJ-4 limits in Pb Corrosion Control (HTCBT) test.
- Excellent performance in wear control: >50% better than ACEA E7-16 limits in Mack T12/Cylinder Liner Wear (CLW) test.



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### ADVANTAGES

- Excellent performance in piston cleanliness: 21% better than ACEA E7-16 limits in OM501LA test.
- Excellent performance in soot control: 55% better than API CJ-4 limits in CUMMINS ISM (Injector Screw Weight Loss) test.

### TYPICAL CHARACTERISTICS

Properties	Methods	Units	EKO FORZA PREMIUM 20W-50
SAE Viscosity Grade	-	-	20W-50
Kinematic Viscosity at 100°C	ASTM D445	cSt	18.5
Kinematic Viscosity at 40°C	ASTM D445	cSt	165.1
Viscosity Index (VI)	ASTM D2270	-	126
Density at 15°C	ASTM D4052	g/ml	0.894
Sulfated Ash	ASTM D874	% w/w	1.4
Base number, TBN	ASTM D2896	mg KOH/g	10.4
Pour Point	ASTM D5950	°C	-30
Flash Point	ASTM D92	°C	240

### HEALTH AND SAFETY

Protect the environment while disposing of used product. Used lubricants should be collected at specific points to ensure they do not pollute the environment. Do not mix with solvents, brake fluids, antifreeze fluids and water, to allow for proper handling.

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This data sheet provides basic information on the product as at the date of drafting. For further information regarding applications, please contact EKO ABEE Technical Support, tel. +30 210 5509 511 and +30 210 7725 418. Advice on safe handling is provided in the Safety Data Sheet.