



PRODUCT DATA SHEET



EKO FORZA MONOGRADE Lubricants for commercial vehicle engines

DESCRIPTION

EKO FORZA MONOGRADE lubricants are high-quality monograde engine oils, designed for diesel engines operating in off-road applications. Also suitable for older technology commercial vehicles operating on highways, for which monograde lubricants were recommended.

SPECIFICATIONS

ACEA E2, API CF/SH, MAN 270, MTU TYPE 1, MB 228.0.

APPLICATIONS

- Diesel engines in trucks operating on and off highways and in earthmoving equipment used in off-road applications (constructions, mines, quarries, agriculture).
- Hydraulic systems (SAE 10W, 20W), transmission systems (SAE 30, SAE 40) final drives (SAE 50), pumps and compressors, following manufacturer recommendations.
- Suitable for applications requiring lubricants with ALLISON C4 and CATERPILLAR TO-2 specifications.

ADVANTAGES

- Excellent detergent capacity.
- Increased protection of metal surfaces against corrosion.
- High resistance to oxidation and thermal breakdown.
- Minimization of thermal wear to crucial parts (valves, bearings, springs, cams).

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.



PRODUCT DATA SHEET



TYPICAL CHARACTERISTICS

Properties	Methods	Units	EKO FORZA MONOGRADE				
			10W	20W	30	40	50
SAE Viscosity Grade	-	-	10W	20W	30	40	50
Kinematic Viscosity at 100°C	ASTM D 445	cSt	6.274	8.020	10.70	13.49	17.56
Kinematic Viscosity at 40°C	ASTM D 445	cSt	37.54	56.08	88.40	127.5	188.6
Viscosity Index (VI)	ASTM D 2270	-	116	110	104	101	100
Density at 15°C	ASTM D 4052	g/ml	0.876	0.886	0.891	0.895	0.8971
Sulfated Ash	ASTM D 874	% w/w	0.8	0.8	0.8	0.8	0.8
Base number, TBN	ASTM D2896	mg KOH/g	7.0	7.0	7.0	7.0	7.0
Pour Point	ASTM D 5950	°C	-33	-27	-30	-27	-27
Flash Point	ASTM D 92	°C	210	240	236	250	228

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.

Issue 3, 3 January 2018

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.