



TECHNICAL SPECIFICATIONS



EKO FORZA MONOGRADE SAE 10W, 20W, 30, 40, 50 Commercial vehicle engine oils

DESCRIPTION-APPLICATIONS

EKO FORZA MONOGRADE is a series of premium, heavy duty monograde diesel engine oils, developed to provide maximum performance and effective protection in heavy duty diesel engines operating in off-highway applications, but also in older on-highway diesel vehicles, where manufacturer recommended a monograde engine oil.

EKO FORZA MONOGRADE lubricants are suitable for engines, hydraulic systems (SAE 10W, SAE 20W), transmissions (SAE 30, SAE 40), final drives (SAE 50), pumps and compressors, according to manufacturers' recommendation for a monograde lubricant.

EKO FORZA MONOGRADE series oils are suitable for applications requiring ALLISON C-4 and CATERPILLAR TO-2 quality level.

SPECIFICATIONS

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

BENEFITS

- Excellent anti-wear properties help reduce maintenance costs and extend engine life even under the most severe operating conditions.
- Effective oxidation and thermal stability allows extended oil-drain intervals and keeps engine clean.
- Multipurpose performance capability which allows use in a wide range of on- and off-highway applications.

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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TYPICAL PROPERTIES

Properties	Methods	Units	EKO FORZA MONOGRADE				
			10W	20W	30	40	50
SAE Viscosity Classification	-	-	10W	20W	30	40	50
Viscosity @100°C	ASTM D 445	cSt	6,274	8,020	10,70	13,49	17,56
Viscosity @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 @ 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
Total 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

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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