



PRODUCT DATA SHEET

EKO TORQUE FLUID Transmission and hydraulic system oils

DESCRIPTION

The EKO TORQUE FLUID series of lubricants includes high performance lubricants specially designed for transmission and hydraulic systems in earthmoving equipment, where a CATERPILLAR TO-4 quality lubricant is required.

SPECIFICATIONS

CATERPILLAR TO-4, ALLISON C-4 (off-road), Komatsu KES 07.868.1.

Suitable for use: EATON-FULLER, DANA, TREMAC/TTC, EUCLID (where CAT TO-4 specification is recommended), API GL-4, CATERPILLAR TO-2 (obsolete), EATON VICKERS M-2950-S, I-286-S.

APPLICATIONS

- Gearboxes, transmission systems, final drives, wet brakes and high pressure hydraulic systems in off-road applications (construction, mining, quarrying and agriculture).
- EKO TORQUE FLUID lubricants are specially designed for CATERPILLAR machinery and meet the requirements of several manufacturers such as KOMATSU and EATON-FULLER.
- EKO TORQUE FLUID 10W and EKO TORQUE FLUID 30 are suitable for manual, semi-automatic and automatic gearboxes for which ALLISON C-4 lubricants are recommended, and for hydraulic systems in mobile equipment applications.
- EKO TORQUE FLUID 50 and EKO TORQUE FLUID 60 are especially recommended for heavy-duty final drives in off-road applications.



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ADVANTAGES

- High load capacity ultimately providing enhanced performance for equipment and reduced downtime.
- Excellent protection of yellow metals from corrosion, resulting in longer lifespan for metal parts.
- High oxidation and thermal stability, resulting in longer lifespan for oil and equipment.
- Excellent brake noise suppression and longer clutch life.

TYPICAL CHARACTERISTICS

Properties	Me- thods (ASTM)	Units	EKO TORQUE FLUID 10W	EKO TORQUE FLUID 30	EKO TORQUE FLUID 50	EKO TORQUE FLUID 60
SAE Viscosity Grade	-	-	10W	30	50	60
Density, 15°C	D4052	g/ml	0.885	0.892	0.900	0.897
Kinematic Viscosity, 100°C	D445	cSt	5.8	10.7	17.7	23.7
Kinematic Viscosity, 40°C	D445	cSt	37.3	94.3	181.5	309.2
Viscosity Index (VI)	D2270	-	100	98	96	97
CCS Viscosity, -25°C	D5293	cP	6500	-	-	-
Base Number, TBN	D2896	mg KOH/g				
Brookfield Viscosity, -35°C, max	D2983	cP	150000	-	-	-
Brookfield Viscosity, -25°C, max	D2983	cP	-	150000	-	-
Brookfield Viscosity, -15°C, max	D2983	cP	-	-	150000	-
Brookfield Viscosity, -10°C, max	D2983	cP	-	-	-	150000
Pour Point	D5950	°C	-33	-27	-21	-12
Flash Point, COC	D92	°C	210	230	250	266

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.
Advice on safe handling is provided in the Safety Data Sheet.