



## 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:** 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, heavy duty transmission systems, final transmissions, wet brakes and high pressure hydraulic systems in off-road applications (construction, mining, quarrying and agriculture).
- EKO TORQUE FLUID lubricants are especially 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.
- They are suitable for hydraulic systems in mobile equipment 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	Methods	Units	EKO TORQUE FLUID		
SAE Viscosity Grade	-	-	10W	30	50
Kinematic viscosity at 100°C	ASTM D 445	cSt	5.8	10.7	17.7
Kinematic viscosity at 40°C	ASTM D 445	cSt	37.3	94.3	181.5
Viscosity Index (VI)	ASTM D 2270	-	100	98	96
CCS viscosity at -25°C	ASTM D 5293	cP	5400	-	-
Density at 15°C	ASTM D 4052	g/ml	0.885	0.892	0.900
Brookfield viscosity at -35°C	ASTM D 2983	cP	85000	-	-
Brookfield viscosity at -25°C	ASTM D 2983	cP	-	140000	-
Brookfield viscosity at -15°C	ASTM D 2983	cP	-	-	60000
Pour Point	ASTM D 97	°C	-36	-30	-24
Flash Point	ASTM D 92	°C	210	248	260

### 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.