

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.

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.

Specifications

Allison C-4, Caterpillar TO-4, Komatsu Dresser, Komatsu Transmissions and final drives, DANA Powershift Transmissions, Vickers 35VQ25, ZF TE-ML 03C, ZF TE-ML 07F, TEMAC/TTC.

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 (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	0.884	0.893	0.900	0.900
Kinematic Viscosity, 100°C	D445	cSt	6.2	11.2	18.0	23.7
Kinematic Viscosity, 40°C	D445	cSt	38.6	99.0	201.3	309.2
Viscosity Index (VI)	D2270	-	103	98	98	97
Brookfield Viscosity, -35°C	D2983	cP	19200	-	-	-
Brookfield Viscosity, -25°C	D2983	cP	-	24400	-	-
Brookfield Viscosity, -15°C	D2983	cP	-	-	29100	-
Pour Point	D5950	°C	-36	-30	-24	-12
Flash Point, COC	D92	°C	224	250	254	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.