

Gear Hydraulic Oil TO-4 SAE 10W**Description**

High performance multipurpose oil made from high-quality raffinates. Due to the high thermal stability of the base oils, the aging process is significantly reduced even at elevated temperatures. This decisively helps reduce the formation of sludge, improves cleanliness, and promotes the reliability of the transmission and hydraulic systems. Excellent oxidation resistance allows longer oil change intervals. The outstanding wear protection technology is effective in both, low and high load conditions. Specifically developed additives ensure a longer service life for wet clutches and ensure wet brakes work safely.

LIQUI MOLY also recommends this product for vehicles or assemblies for which the following specifications or original part numbers are required

Allison C4 • Caterpillar TO-4 • Komatsu • ZF TE-ML 03C

Technical data

SAE class (gear oils)	10W SAE J306
Density at 15 °C	0,87 g/cm ³ DIN 51757
Viscosity at 40 °C	44 mm ² /s ASTM D 7042-04
Viscosity at 100 °C	7 mm ² /s ASTM D 7042-04
Viscosity index	115 DIN ISO 2909
Pour point	-36 °C DIN ISO 3016
Flash point	230 °C DIN ISO 2592
Total base number	11,4 mg KOH/g DIN ISO 3771
Sulfate ash	1,6 g/100g DIN 51575
Color number (ASTM)	L3,0 DIN ISO 2049

Areas of application

Developed for construction equipment according to the high requirements of CATERPILLAR, ALLISON and KOMATSU. For power shift transmissions, transfer cases, final drives and hydraulic systems for which the manufacturer has stipulated a lubricant of this specification.

**Application**

The specifications and regulations of the unit or vehicle manufacturers must be observed. The optimal effectiveness is achieved only when used unmixed.

Available pack sizes

60 l Black plate barrel	4450 D-GB
205 l Black plate barrel	4493 D-GB

Our information is based on thorough research and may be considered reliable, although not legally binding.