

# Gear Hydraulic Oil TO-4 SAE 50

## 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**

API GL4 • API CF • Caterpillar TO-4 • Komatsu



vehicle manufacturer must be followed. Optimum effectiveness is only possible when the product is used unmixed.

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

## Technical data

SAE class (gear oils)	50 SAE J306
Density at 59 °F	0,9 g/cm <sup>3</sup> DIN 51757
Viscosity at 104 °F	200 mm <sup>2</sup> /s ASTM D 7042-04
Viscosity at 212°F	19 mm <sup>2</sup> /s ASTM D 7042-04
Viscosity index	105 DIN ISO 2909
Pour point	-5 °F DIN ISO 3016
Flash point	482 °F 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)	L4,5 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 instructions from the unit or