

# OIL TECH

*The Lubrication Specialists*

## TECHNICAL DATA SHEET

### TO4-50 TRANSFLUID

#### PRODUCT DESCRIPTION

**TO4-50** A Transmission and Drive Train Oil (TDTO) designed to optimise performance in a wide range of automotive, mining, agriculture and earthmoving equipment including hydraulic, hydrostatic transmission systems and final drives.

An SAE 50 fluid which exceeds the requirements of Caterpillar TO-4 tests, including gear wear requirements.

#### APPLICATION

**TO4-50** Suitable for use in older Road Ranger manual gearboxes where an SAE 50 engine oil or an SAE 90 gear oil to GL-3 is specified.

Suitable for use in Allison transmissions for on road and off-highway applications, when operating in higher ambient temperatures, where a C4 specification is required.

#### PERFORMANCE

Rationalisation of product and pack size variety by universal use for all final drives.

Fully compatible with all components and materials used in mixed fleets.

Also meets the requirements of Allison transmissions and hydraulic systems.

Provides outstanding levels of friction, wear and rust protection, plus seal compatibility.

Suitable for modern complex power shift transmissions, wet-disc brakes and final drives.

Molecular structure produces a highly shear stable product.

Protects against oxidation and corrosion of ferrous and non-ferrous materials, with resistance to sludge formation. Stable friction control characteristics which also reduce brake noise, gear wear and clutch slippage.

Exceeds the requirements of all Caterpillar TO-4 tests.

#### PERFORMANCE CHARACTERISTICS

- CATERPILLAR TO-2 (Obsolete)
- CATERPILLAR TO-4
- CATERPILLAR FD-1 (SAE 50W)
- API Gear MT-1
- EATON FULLER ROAD RANGER
- MACK
- ZF TE-01
- KOMATSU DRESSER TO-50

•TREMEC/TTC  
TO4-50 TRANSFLUID

**TYPICAL INSPECTION**

<b>Properties</b>		<b>Value</b>
SAE Grade		50
Density @15°C	Kg/L	0.90
Viscosity @ 40°C	cSt	200
Viscosity @ 100°C	cSt	18.0
Viscosity Index		99
Flash Point	°C	260
Pour Point	°C	-18