

# TECHNICAL DATA SHEET

# TORQUE OIL 10W



## DESCRIPTION

Torque Oil is a monograde Caterpillar TO-4 performance drive train fluid. The frictional performance of Torque Oil is superior to TO-2 approved fluids. Torque Oil 10W has been designed to extend the life and performance of all Caterpillar transmissions and hydraulic systems as well as those of Komatsu drive trains. Torque Oil 10W also meets the Allison C4 requirements. Meeting the general hydraulic oil requirements of DIN 51 524 Part 2 (type HLP) for protection of hydraulic equipment from corrosion, oxidation and wear, Torque Oil 10W is suitable for use in both mobile and static hydraulic systems where a 10W (ISO 32 - 46) or 15W (ISO 46 - 68) hydraulic fluid is called for. Suited for some hydrostatic transmissions.

## SUMMARY OF BENEFITS

- Outstanding frictional characteristics for optimum clutch life
- Excellent compatibility with both seals and frictional material
- Has the ability to control brake chatter, thus extending the life of wet brakes
- Enhanced wear protection leading to longer life

## SPECIFICATIONS

- SAE VISCOSITY 10W
- API GL-4
- CATERPILLAR TO-4
- ALLISON C4
- MEETS CORROSION, WEAR AND OXIDATION REQUIREMENTS OF DIN 51 524 PART 2 (TYPE HLP).

## SUITABLE FOR



TORQUE OIL 10W	TEST METHOD	UNITS	RESULTS
DENSITY @ 15°C	ASTM D1298	kg/L	0.8782
KINEMATIC VISCOSITY			
@ 40°C	ASTM D445	cSt	42
@ 100°C	ASTM D445	cSt	6.5
VISCOSITY INDEX	ASTM D2270	-	107
POUR POINT	ASTM D97	°C	-27
FLASH POINT (COC)	ASTM D92	°C	219

*Typical characteristics are only a guide to industry and are not necessarily manufacturing or marketing specifications and do not constitute any legal liability.*

## STORAGE INSTRUCTIONS & HEALTH, SAFETY AND ENVIRONMENT INFORMATION

All packages should be stored under cover to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C. Health, safety and environmental information is provided for this product in the relevant Materials Safety Data Sheet, which can be obtained by contacting Gulf Western Oil on: 02 9673 9600.

## AVAILABLE PACK SIZES

IBC - #30047B, 205LT - #30047, 20LT - #32047

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**GULF WESTERN PREMIUM QUALITY LUBRICATING OILS (AUST) PTY LTD**

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**DESCRIPTION**

Torque Oil is a monograde Caterpillar TO-4 performance drive train fluid. The frictional performance of Torque Oil is superior to TO-2 approved fluids. Torque Oil 30 has been designed to extend the life and performance of all Caterpillar transmissions and hydraulic systems as well as those of Komatsu drive trains. Torque Oil 30 also meets the Allison C4 requirements. Torque Oil 50 has been designed to extend the life and performance of Transmissions, Differentials and Final drives specifying an SAE 50 of TO-4 performance, and is also suitable for Road Ranger Transmissions. Torque Oil is available in SAE grades 30, 50 and 60.

**SUMMARY OF BENEFITS**

- Outstanding frictional characteristics for optimum clutch life
- Excellent compatibility with both seals and frictional material
- Has the ability to control brake chatter, thus extending the life of wet brakes
- Enhanced wear protection leading to longer life

**SPECIFICATIONS**

- SAE VISCOSITY: 30, 50 AND 60
- API GL-4
- CATERPILLAR TO-4, TO-2
- ZF TE-ML 03C, 07D, 07F
- SUITABLE FOR HYDRAULIC APPLICATIONS
- SUITABLE FOR WET BRAKE APPLICATIONS
- TORQUE OIL 30 MEETS THE REQUIREMENTS OF ALLISON TES439 AND C4 AS WELL AS KOMATSU 07.868.1
- TORQUE OIL 50 IS ALSO SUITABLE FOR ROAD RANGER TRANSMISSION AND OTHER TRANSMISSIONS REQUIRING NON-EP LUBRICANTS

**SUITABLE FOR**



TORQUE 30 & 50	TEST METHOD	UNITS	30	50	60
DENSITY @ 15°C	ASTM D1298	kg/L	0.8921	0.9018	0.9030
KINEMATIC VISCOSITY					
@ 40°C	ASTM D445	cSt	80	225	291
@ 100°C	ASTM D445	cSt	10.5	20	22.9
VISCOSITY INDEX	ASTM D2270	-	105	100	94
POUR POINT	ASTM D97	°C	-27	-18	-16
FLASH POINT (COC)	ASTM D92	°C	224	230	230

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**STORAGE INSTRUCTIONS & HEALTH, SAFETY AND ENVIRONMENT INFORMATION**

All packages should be stored under cover to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C. Health, safety and environmental information is provided for this product in the relevant Materials Safety Data Sheet, which can be obtained by contacting Gulf Western Oil on: 02 9673 9600.

**AVAILABLE PACK SIZES**

- 30: IBC - #30045B, 205LT - #30045, 20LT - #32045  
 50: IBC - #30046B, 205LT - #30046, 20LT - #32046  
 60: IBC - #60045B, 205LT - #60045, 20LT - #62045