



PRODUCT DATA SHEET

GIANT TORQUE

High Performance Transmission and Drive Train Oil

DESCRIPTION

GIANT TORQUE is a high performance transmission and drive train lubricant engineered by combining highly refined basestocks with supreme additive packages. It is uniquely designed to optimize the performance of powershift transmissions, gearboxes, clutches, final drives and hydraulic systems.

GIANT TORQUE is formulated to meet Caterpillar TO-4 requirements.

PERFORMANCE STANDARDS

- Caterpillar TO-4
- API CD (non-engine applications)
- Komatsu Export List 434,444
- Volvo 97305-90 (454)
- Dana-Spicer (454)
- Eaton-Fuller (454)
- Rockwell O-81 (454)
- Vickers M-2950-S

BENEFITS

- Excellent frictional properties: Optimum clutch friction retention & slippage control, Excellent anti-chatter brake performance, Extended clutch & brake life
- Excellent load carrying, anti-wear and EP performance: Greater wear protection + extended component life = reduced cost of operation
- Prolonged oil service life: Outstanding protection against deposit formation, longer seal life, extended drain & service intervals
- Maintains correct shifting patterns: The silicone foam inhibitor minimizes foam formations while enabling rapid release of entrained air to ensure smooth shifting in powershift transmissions and also optimizes performances in the wet brakes and hydraulic system
- Excellent thermal and oxidation stability: Long oil-life + reduced wear = extended equipment life
- Very good low temperature pumpability: Reduced time from start-up to production

TYPICAL APPLICATIONS

- Heavy duty transmissions, gear boxes, final drives, and hydraulic systems used in off-highway, construction, logging, mining and agriculture equipment.
- All Caterpillar and Komatsu powershift transmissions
- Suitable for most mobile equipment with hydraulic applications

TYPICAL PROPERTIES

SAE Grade	10	30	50
Kinematic Viscosity, mm ² /s @ 40°C	37.0	92.6	224
Kinematic Viscosity, mm ² /s @ 100°C	6.8	10.9	19.1
Viscosity Index	144	102	96
Pour Point, °C	-36	-28	-18
Viscosity, Brookfield @ -15°C, Cp			100,000
Viscosity, Brookfield @ -25°C, Cp		50,000	
Zinc, % wt	0.11	0.11	0.11