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# Gulf HT Fluid TO-4 SAE 50

*Heavy Duty Powershift Transmission Fluid*

## Product Description:

**Gulf HT Fluid TO-4 SAE 50** is specifically designed for powershift transmissions, final drives and wet brakes on heavy duty off-highway equipment used in earthmoving, mining logging, road transport and agricultural applications and is blended from premium quality base oils and proven performance additives. **Gulf HT Fluid TO-4 SAE 50** is specifically designed to meet the performance requirements of Caterpillar TO-4, Komatsu powershift transmissions, ZF torque converter transmissions and Allison C-4 Automatic Transmissions.

**Gulf HT Fluid TO-4 SAE 50** has improved thermo-oxidative stability that gives protection of metal surfaces against scuffing and wear thus giving longer oil and equipment life. Excellent control of frictional properties prevents clutch slippage and ensures smoother operation of transmissions and brakes. **Gulf HT Fluid TO-4 SAE 50** provides good protection against rust and corrosion to precision equipment components when operating in humid conditions. Keeps metal parts free of sludge and varnish leading to reliable operation and excellent foam control ensures effective wet brake and transmission performance and controls brake chatter. **Gulf HT Fluid TO-4 SAE 50** shows good compatibility with all common seals, O rings, packing materials and clutch materials that leads to reduced downtime.

**Gulf HT Fluid TO-4 SAE 50** is suited for powershift and automatic transmissions, wet brake, torque converters and hydrostatic systems requiring these quality fluids. Also for heavy duty manual transmissions, gear boxes, final drives and hydraulic systems used in off highway equipments for earthmoving, agricultural, logging, construction and mining applications requiring fluids meeting the below mentioned specifications. Also for industrial torque converters and hydraulic systems where such type of fluids are specified.

## Meets the specifications of:

API CF/CF-2, Caterpillar TO-4, Komatsu KES 07.868.1

<u>Properties:</u>	<u>Test Methods:</u>	<u>Typical Values:</u>
SAE Viscosity Grade	SAE J306	50
Density @ 15°C	ASTM D4052	903 kg/m <sup>3</sup>
Kinematic Viscosity @ 40°C	ASTM D445	208 mm <sup>2</sup> /s (cSt)
Kinematic Viscosity @ 100°C	ASTM D445	18 mm <sup>2</sup> /s (cSt)
Viscosity Index	ASTM D2270	95
Flash Point	ASTM D92	>220°C
Pour Point	ASTM D97	<-24°C

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