



## **TAREX CAT TO-4 10W/30/50**

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### **TRANSMISSION AND DRIVE TRAIN OILS**

TAREX CAT TO-4 Series have been specially developed for use in powershift transmissions, final drives and wet braking systems of heavy duty construction machines operating in mining, construction, agriculture and other field services. Caterpillar TO-4 exceeds the performance requirements of Komatsu powershift transmissions, ZF torque converters and Allison C-4 automatic transmissions.

#### **Product Description:**

Powershift Transmission Fluids are formulated with state-of-the-art additive technology that provide improved deposit control, corrosion protection and load-carrying capacity for better equipment protection and more reliable operation. TAREX CAT TO-4 Series carefully optimized frictional properties prevent clutch slippage for smoother, more consistent transmission operation and also provides improved wet brake performance.

#### **Benefits:**

- ❖ Prevent micro-pitting formation on gear surfaces, vibration and noise.
- ❖ Prevent skidding with their excellent friction control feature, they are soft on transmission and brakes.
- ❖ Protect equipment very well against wear and corrosion even in humid conditions.
- ❖ Prevent sludge and lacquer formation, keep metal parts clean, ensure safe operation.
- ❖ Provide effective wet brake and transmission performance with their preventive feature.
- ❖ Reduce maintenance times as they're compatible with gaskets, seals and pads.
- ❖ Provide convenience at first start-up with their superior fluidity feature at low temperatures.

#### **Meets the Performances:**

Caterpillar TO-4; TDTO; Allison C-4; ZF TE-ML 03C, 07F; Komatsu KES 07.868.1

**Please check your owner's manual for the manufacturer's recommended oil viscosity grade and API classification and approvals.**



**Technical Data:**

TARMOND	Test method			
API		GL-4	GL-4	GL-4
SAE Grade		10W	30	50
Density at 15°C gr/cm³	ASTM D 1298	0.87	0.88	0.89
Viscosity at 40°C cSt	ASTM D 445	32-35.5	92-96	190-200
Viscosity at 100°C cSt	ASTM D 445	5.5-6	11-12.2	17.5-18
Viscosity Index	ASTM D 2270	109	100	100
Flash point °C	ASTM D 92	220	230	235
Calcium, % wt.	ASTM 5185	0.34	0.34	0.34
Zinc, % wt.	ASTM 5185	0.11	0.11	0.11
Phosphorous, % wt.	ASTM 5185	0.093	0.093	0.093
TBN mgKOH/g	ASTM D 2896	9.2	9.2	9.2
Pour point °C	ASTM D 97	-41	-40	-36

Above values are the typical values of the products and may vary with each batch.