



HITRANS TO-4

Heavy Duty Transmission and Drive-Train Fluid

Specification and Approvals

Meets Allison C4; Caterpillar TO-4; Komatsu Micro Clutch (KES 07.868.1); API GL-3 / CF; ZF TE ML 03

Description

MOGAS Hitrans TO-4 is a heavy duty transmission and drive-train lubricant range designed to meet the rigorous Caterpillar TO-4 performance requirements, to achieve optimized performance of equipment components and maximum protection, including pressure systems.

Features and Benefits

- ◆ Well balanced friction properties ensuring optimized function of power-shift transmissions.
- ◆ Prolonged life of final drives and other components even at high temperature and heavy duty cycles.
- ◆ Excellent high oxidation stability, anti-rust, anti-corrosion and anti-foam properties.
- ◆ Smooth gear shifts.
- ◆ Power steering pump and oil seal extended life.
- ◆ Enhanced frictional properties optimize clutch performance and ensure noise-free wet brakes
- ◆ Keeps metal parts free of sludge and varnish, leading to reliable operation.

Applications

For lubrication of manual, power-shift and automatic transmissions, rear axles, final drive hydraulic systems and winches found in civil works equipment and trucks when Caterpillar TO-4 or Allison C4 oil is required. It is also suitable for gear boxes with retarder units, torque converters and immersed oil (wet) brakes.

Typical Properties

Test Parameters		Test Method	10W	30	50	60
Grade	SAE		10W	30	50	60
Viscosity @ 40°C	mm ² /s	ASTM D 445	42	100	195	340
Viscosity @ 100°C	mm ² /s	ASTM D 445	6 - 7	11 - 12	17 - 19	24 - 25
Viscosity Index		ASTM D 2270	95 min	95 min	95 min	95 min
Pour Point	°C	ASTM D 97	-33	-18	-15	-12
Flash point (COC)	°C	ASTM D 92	202	224	240	244
Density @ 20°C	kg/l	ASTM D 4052	0.890	0.890	0.905	0.908

The typical characteristics mentioned represent mean values

Health and Safety

This product used as our recommendation for intended application not expected to produce any particular risk. A safety data sheet of this product is available for a simple request from your sales contact office or via internet. In case of used oil elimination, please respect the regulation and protect the environment.