

STERN Drive Train TO-4 M-Series

STERN Drive Train TO-4 M-Series 10W and 30W are extra high performance, heavy duty transmission and drive-train lubricants engineered to meet or exceed the requirements of the rigorous Caterpillar TO-4 specification. This product line is uniquely designed to optimize the performance of powershift transmissions, gearboxes, and final drives. In hydraulic applications, they provide maximum protection even in high pressure systems

This technology combines selected base oils and an advanced additive system to deliver the precise performance parameters needed to maximize the productivity of construction, quarrying, and mining equipment operating in severe conditions. These products offer a clear performance advantage over the use of mixed fleet engine oils and previously used lubricants meeting Caterpillar TO-2.

APPLICATIONS

Recommended by Stern Company for use in:

- Heavy duty transmissions, gear boxes, final drives, and hydraulic systems used in off-highway applications
- Off-highway industries including: mining, construction, quarrying, and agriculture
- Manual, powershift, and automatic transmissions where Allison C-4 fluids (SAE 10W and 30W grades) are called for including Twin Disc and transmissions calling for Type F fluids
- Most mobile equipment hydraulic applications

TYPICAL PROPERTIES

Drive Train TO-4	10W	30W
<i>Viscosity (cSt) at 40°C</i>	42	100
<i>Viscosity (cSt) at 100°C</i>	6.3	11.2
<i>Viscosity Index</i>	96	97
<i>Flash Point, °C, ASTM D 92</i>	202	224
<i>Pour Point, °C, ASTM D 97</i>	-33	-18
<i>Density @ 15°C kg/l, ASTM D 4052</i>	0.888	0.893