



TRIAX TRANSFLUID ULTRA TO-4

Multi-Viscosity Powershift Transmission TO-4M Drive Train and Heavy Duty Transmission Fluid

DESCRIPTION

TRIAX TRANSFLUID ULTRA TO-4 M is a multi-viscosity top tier transmission fluid designed for heavy duty Powershift transmissions. It exceeds the requirements of Caterpillar TO-4 to TO-4, Allison C-4 and ZF- TE-ML03 for use in heavy duty applications such as torque converters, final drives, transmissions, wet-brake systems and hydraulic systems where a Caterpillar TO-4 or TO-4 M specification is required. This product is formulated with a blend of synthetic and mineral base oils and a premium, custom built additive base to provide outstanding durability and longevity in real world, severe service work conditions such as mines, trucking, city buses, construction.

The significant advantage of this fluid versus the SAE 10W, SAE 50 and SAE 30 oils, is its ability to function over a very wide ambient temperature range, without compromising performance characteristics, but quite the opposite - improving upon conventional fluid performance levels. It provides both exceptional high temperature performance and stability, film thickness and strength, as well as exceptionally low temperature pumpability for exceptional wear protection in high load severe service conditions. TRIAX TRANSFLUID ULTRA TO-4 M is exceptionally well fortified with additives to guard against gear wear, scuffing, rust, corrosion, foaming and oxidation while providing superb power transfer characteristics.

APPLICATIONS

TRIAX TRANSFLUID ULTRA TO-4 M is designed for hydraulic systems, transmissions, final drives and is NOT to be used as an engine oil. To be used in applications requiring a TO-4 or TO-4M specification fluid and a SAE 10, SAE 50 or SAE 30 viscosity fluid. It replaces all the viscosity grades.

- Heavy duty Powershift transmissions
- Heavy duty drive trains and final drive
- Torque converters
- Heavy duty hydraulic systems

PERFORMANCE SUMMARY

- Replaces all SAE 10W, 30 and 50 viscosity grades TO-4 fluids significantly reducing inventory requirements
- Extremely wide operating temperature range, eliminating the need to change fluids based on seasonality
- Exceptionally long life, allows significant downtime savings vs conventional TO-4 fluids
- Compatible with a wide range of heavy-duty transmission found in construction equipment and trucks
- Exceptional oxidation stability, detergency, anti-foaming characteristics
- Excellent wear prevention in high load, severe service applications, in all types of work environments and temperatures
- Unmatched shear stability, maintains an optimal oil film to prevent gear wear and scuffing

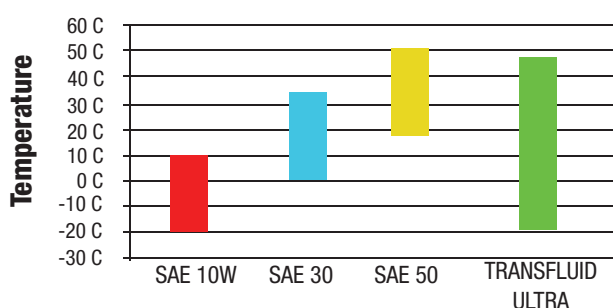
SPECIFICATIONS Suitable for use for the following application / specification.

- Caterpillar TO-4M, TO-4
- JCB Heavy Duty Transmissions
- ZF TE-ML03
- VOLVO
- Allison C3
- Komatsu KES 07.868.1

CHEMICAL DATA

Density @ 15oC kg/L, ASTM D 4052	0.87
Viscosity cSt @ 40oC, ASTM D 445	114.8
Viscosity cSt @ 100oC, ASTM D 445	14.6
Viscosity Index, ASTM D 2270	131
Pour Point, oC, ASTM D 97	-39
Flash Point, oC, ASTM D 92	233

AMBIENT TEMPERATURE PERFORMANCE DATA



**UNMATCHED DURABILITY
AND PROTECTION IN THE
MOST SEVERE WORK
ENVIRONMENTS ON
EARTH**