



TECHNICAL DATA SHEET

TOTAL DYNATRANS AC-MV

DYNATRANS AC-MV is a multipurpose lubricant designed for use in transmissions, wet brakes, and hydraulic systems requiring a fluid meeting the following specifications: TO-4 and TO-4M (version 2005) of Caterpillar, Allison C-4, ZF TE-ML01 (obsolete), ZF TE-ML03, API CD, API GL-3 and KES 07.868.1 from Komatsu. **DYNATRANS AC-MV** fluid is formulated using the latest additive technology and a unique blend of synthetic and group II base stocks. As a result, this product provides both excellent low temperature pumpability and high temperature film strength. This fluid is designed for both newly developed and older model drive train components.

DYNATRANS AC-MV is compatible with new and traditional seal and clutch materials. The frictional characteristics of the fluid are retained over the entire life of the lubricant. Components are protected from wear in severe service and under high loads. This fluid protects precision parts against wear under high load conditions by controlling the formation of corrosion, varnish and sludge. Its unique formulation is also sheer-stable.

APPLICATIONS

DYNATRANS AC-MV is recommended in the following applications:

- Caterpillar transmissions, wet brakes, Allison Powershift transmissions, torque converters, and hydraulic systems requiring a fluid meeting Allison C4, Caterpillar TO-4 or TO-4M requirements
- Lightly loaded final drives (stocks consolidation).
- Heavy-duty off highway automatic transmissions
- Mobile hydraulic systems requiring ISO 100 fluids.

DYNATRANS AC-MV is not recommended for use in combined farm tractor hydraulic and transmission systems where low brake chatter is a requirement.

CHARACTERISTICS

- Excellent low and high temperature properties.
- Outstanding resistance to oxidation, sheer and sludge.
- High-pressure stability.
- Extended service life.
- Protection against rust
- Multi-purpose fluid.
- Reduce wear.

ADVANTAGES

- Maintains fluidity and film strength.
- Reduces sludge and varnish formation that can clog filters.
- Reduces cost via service life & consolidation of inventory.
- Prevents clutch slippage and provides quiet and efficient action of transmission.
- Compatible with other TO-4 fluids, components and seals.
- Eliminates seasonal oil changes and provides operational-cost savings.

TYPICAL PROPERTIES OF DYNATRANS AC-MV

PROPERTIES	ASTM TEST	AC-MV
Product Code	-	6999
Viscosity Grade	-	SAE 40
Viscosity in cSt at 40°C	D445	107
Viscosity in cSt at 100°C	D445	14.1
Viscosity Index	D2270	> 130
Density in kg/dm ³ at 15°C	D1298	0.88
Flash Point, COC, in °C	D92	> 265
Pour Point in °C (°F)	D97	-39 (-38)
Borderline Pumping viscosity, cP at °C	D4684	8000 à -20

REMARK: Although the preceding values are typical properties, they do not represent guaranteed characteristics.