



Texol Multisyn™ TF Series

Technical Data Sheet

Texol Multisyn™ TF Series

Ultra high performance heavy-duty transmission and drive train fluids

Product description

Texol Multisyn™ TF (TorqForce) products are ultra high performance fluids formulated for use in transmissions, final drives, and hydraulic systems in Allison, Caterpillar, Dana Powershift, Komatsu, Komatsu Dresser, Tremec/TTC, Vickers and ZF equipment.

Texol Multisyn™ TF (TorqForce) products are formulated with Premium Group II base oils combined with detergent and dispersant additives, oxidation and corrosion inhibitors, anti-wear, extreme pressure and foam suppression agents.

Customer benefits

- Proven additive package helps protect metal surfaces against scuffing and wear under severe high temperature high load conditions
- Reliable frictional control helps prevent clutch slippage and offers quiet, efficient transmission and brake operation while minimising wear
- High quality base stock formulation offers robust oxidation protection at high operating temperatures and helps extend oil service life
- Formulated to keep metal parts clean and free from varnish and sludge deposits that can cause premature breakdown

Applications

- Texol Multisyn™ TF (TorqForce) products are proven performance lubricants designed for use in transmissions, final drives, and hydraulic systems requiring a fluid meeting Caterpillar TO-4 or Allison C-4 requirements. They are also recommended for transmission and hydraulic systems manufactured by Dana Powershift, Komatsu, Komatsu Dresser, Tremec/TTC, Vickers and ZF
- Texol Multisyn™ TF (TorqForce) products are designed for both newly developed and older model drive train components
- They offer robust friction retention, wear control, seal compatibility, oxidation stability and viscosity stability
- The frictional characteristics of the fluid are designed to be retained over the life of the lubricant
- Texol Multisyn™ TF (TorqForce) products are formulated to help protect against wear, even in severe service conditions and under high loads. They offer protection to precision parts against wear under high load conditions by helping control the formation of corrosion, varnish and sludge



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- Texol Multisyn™ TF (TorqForce) products are compatible with new and traditional seal and clutch materials

Typical Properties

Property (Unit)	TF 10V	TF 10W	TF 30	TF 50	Method
Density at +15 °C	860	876	882	894	ASTM D4052
Viscosity @40°C, cSt	33	45	88	195	ASTM D445
Viscosity @100°C, cSt	5.7	6.8	10.9	18.5	ASTM D445
Viscosity Index	115	115	115	108	ASTM D2270
Flash Point, °C	>205	>225	>225	>230	ASTM D92
Pour Point, °C	-33	-33	-27	-27	ASTM D97

Specifications

Multisyn™ TF 10W / 30 / 50 meets:

- ZF TE-ML 03C
- ZF TE-ML 07F
- Caterpillar TO-4
- Allison C-4
- Dana Powershift
- Komatsu KES 07.868.1
- Komatsu Dresser
- Tremec TTC
- Vickers 35VQ25

Multisyn™ TF 10V meets:

- Voith Turbo 120.00059010, Index 2 (former 3.285-149)
- Voith Turbo 3625-006058 - 3625-006072 - 3625-008426

Technical Expertise

Texol experts on Texol Multisyn™ series lubricants are regionally located to respond to your needs. Whether you have a question about products, applications or regulations, Texol offers comprehensive customer and technical service.