

# TRIAX SYNGEAR FE 75W-85

## FULL SYNTHETIC ADVANCED TRANSMISSION FLUID FOR FREIGHTLINER AND WESTERN STAR DT12

TRIAX SynGear FE 75W-85 is a premium synthetic transmission oil engineered for modern heavy-duty automated manual transmissions (AMTs) requiring MB 235.16 performance level. It is formulated with advanced synthetic base oils and a state-of-the-art friction management system to deliver superior efficiency, wear protection, and thermal stability. Designed specifically for Detroit™ DT12 transmissions (2017 and newer) and other applications requiring MB 235.16 / DTFR 13B140 specifications, TRIAX SynGear FE 75W-85 ensures maximum reliability under the most demanding operating conditions.

## PERFORMANCE HIGHLIGHTS

- Fuel Efficiency Gains – Advanced low-viscosity formula reduces parasitic drag for improved fuel economy.
- Exceptional Wear Protection – Outstanding anti-scuff and anti-wear additives safeguard gears and synchronizers under extreme loads.
- Extended Service Life – Superior oxidation and thermal stability allow for extended drain intervals in line with OEM recommendations.
- Cold-Temperature Performance – Excellent low-temp fluidity ensures fast lubrication during cold starts and smooth gear shifting in all climates.
- Deposit & Sludge Control – Advanced detergent/dispersant package prevents varnish and deposits, ensuring long transmission life.
- Outstanding shift quality in high load conditions, no slipping, sticking and optimal torque transfer

## APPLICATIONS

Specifically designed for Detroit™ DT12 transmissions (2017 and newer) requiring MB 235.16 specification. Suitable for heavy-duty on-highway trucks and buses requiring 75W-85 transmission oil. Not recommended for earlier DT12 units (2016 and older) requiring MB 235.11 / 75W-90 fluids.

### Freightliner & Western Star Class 8 Trucks

- Freightliner Cascadia 2017+ model
- Freightliner M2 112 / M2 106 (select vocational / regional haul specs)
- Western Star 5700XE (highway tractor)
- Western Star 4900 / 4700 (vocational models, depending on spec)

### Buses / Specialty Vehicles

- Setra motor-coaches (where equipped with Detroit DT12)
- Some vocational and municipal equipment spec'd with Detroit DD engines + DT12 AMT

## SPECIFICATIONS

API GL-4 / GL-5  
 MB 235.16 / DTFR 13B140  
 Detroit™ DT12 (2017+) factory and service fill

## SERVICE INTERVALS

**On-Highway Line-Haul / Long-Haul:** 500,000 miles (800,000 km) or 5 years, whichever comes first  
**Vocational / Severe Duty (regional, construction, stop-and-go):** 250,000 miles (400,000 km) or 3 years, whichever comes first

## CHEMICAL PROPERTIES

Test Description	Method	Result
Appearance	Visual	Amber, Transparent Liquid
Viscosity @ 40°C, cSt	D445	72.27
Viscosity @ 100°C, cSt	D445	12.09
Viscosity Index	D2270	165
Brookfield Viscosity @ -40°C, cP	D8210	47,070
Density, g/cm³	D4052	0.86327
Flash Point	ASTM D92	240°C
Pour Point	ASTM D97	-56°C

Small deviations from these results are expected during the manufacturing process and do not affect product performance.

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\*\* The drain interval mentioned herein represents the capability of the lubricant and is valid for a mechanically sound engines, with regular oil analysis and without the use of after-market additives.