

TRIAX SYNERGY GEAR HD

FULL SYNTHETIC TRANSMISSION FLUID

TRIAX SYNERGY GEAR HD oils are full synthetic lubricants specifically designed for high-torque heavy duty powershift transmissions in heavy duty trucks such as Mack, International, Freightliner with Eaton Fuller, ZF Freedomline and Powershift transmissions. This product is formulated for extended drain intervals and is optimally balanced for heavy duty manual transmissions with improved friction control, wear reduction, thermal stability, shear stability, rust and corrosion inhibition, and seal protection. All are features that must be optimally balanced to provide extended gear and synchroniser life, smooth shift control, fuel economy and high load capability over a wide range of applications.

PERFORMANCE HIGHLIGHTS

- Excellent wear protection: prevents transmission gear pitting, scuffing, scoring in all conditions
- Excellent shift characteristics: Prevents shudder, sticking, slipping and facilitates smooth, flawless shifting
- Total corrosion protection for brass, copper and aluminum alloys
- Excellent gear protection in high horsepower / high speed conditions and sustained mechanical / thermal loads.
- Full synthetic formulation with no compromises, arctic low temp flow and superior fluid longevity
- Extremely high oxidation stability: prevents varnish, sludge, deposit buildup on transmission components
- Complete seal compatibility: maintains seals pliable, prevents seal deterioration and fluid leaks

3 X Drain Interval
when compared with
conventional or synthetic
blend gear lubricants

Severe Service
• Demanding Conditions
• Very Hot & Very Hot Ambient
Temperatures

500,000 Miles
in highway service
for long haul trucks

SPECIFICATIONS

- API Service Category MT-1
- Eaton PS-386, PS-164 Rev 7, Roadranger® extended drain *
- International TMS 6816 *
- Mack Truck TO-A Plus *
- Meritor O-81 (Publication TP-90014) *
- ZF Freedomline *
- Spicer Transmission Extended Drain
- Dana synchronized and non-synchronized transmissions
- Volvo iShift transmissions
- Mack mDrive transmissions

*meets or exceeds specification requirements.

CHEMICAL PROPERTIES

| TEST CRITERIA | SAE 50 |
|-----------------------------|----------|
| SAE GEAR OIL VIS GRADE | SAE 50 |
| SPECIFIC GRAVITY @ 60F | 0.8381 |
| KINEMATIC VISCOSITY @ 40C | 122 |
| KINEMATIC VISCOSITY @ 100 C | 18 |
| VISCOSITY INDEX | 178 |
| FLASH POINT (C) | 220 |
| POUR POINT C(F) | -51(-60) |

Formulated for Fuller CD-50 performance, Rockwell, Eaton Fuller, Spicer, Fabco, Warner and other large truck manual transmissions. It can be used in Caterpillar, Allison, Komatsu, Clark, Hurth, Borg-Warner, Twin Disc, Voith, ZF, Funk and Brockhouse powershift-type transmissions.

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

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