

TRIAX SYNERGY GEAR SF 75W-80

FULL SYNTHETIC GL-4 GEAR AND TRANSMISSION FLUID
VOLVO ISHIFT • MACK MDRIVE • MAN 341 • ZF TRANSMISSIONS

Service Category
API GL-4

TRIAX Synergy Gear SF 75W-80 is a high performance full synthetic heavy duty manual transmission and gear lubricant designed for the latest generation US and European heavy duty trucks requiring low sulfur API GL-4 lubricant. This product features superior additive content to maximize fluid longevity, shear stability, low temperature fluidity and high temperature viscosity stability in all types of service. This product is specifically designed for Volvo iShift and Mack mDrive automated manual transmissions. This fluid is optimally balanced with an amino-phosphate chemistry to protect yellow metal synchros in these special heavy duty 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 synchronizer life, smooth shift control, fuel economy and high load capability over a wide range of applications.

PERFORMANCE

- Long drain service up to 3 times that of conventional gear oils
- Reduced operating cost per mile / hour
- Superior EP protection in all service categories
- Superior shear stability, film strength and oxidation control
- Improved torque transfer characteristics
- Smooth, fast shifting without sticking or slipping
- No active sulfurs for excellent yellow metal protection
- Unrivaled year-round protection for synchros and gear
- Arctic grade -54 C cold flow and outstanding high temp stability

PERFORMANCE HIGHLIGHTS



UP TO 500,000 MILES
Drain interval in highway
service

**FAST AND PRECISE
SYNCHRONIZER ENGAGEMENT**

COMPLETE PROTECTION

EXCEPTIONAL WEAR CONTROL

**SUPERIOR VISCOSITY
STABILITY**

**WIDE RANGING
COMPATIBILITY**

APPLICATIONS

- VOLVO, MACK, MAN and Scania heavy duty trucks
- Volvo iShift and Mack mDrive requirements as well a wide range of heavy duty on highway ZF transmissions.
- Heavy duty manual transmissions where API GL-4 service level is required
- Other commercial vehicles and cars requiring API GL-4 service gear oil.

SPECIFICATIONS

- API GL-4
- MAN 341 Typ E3, MAN 341 Typ Z4
- MAN 341 Typ Z5
- ZF TE-ML 01L, ZF TE-ML 02L
- ZF TE-ML 16K, ZF TE-ML 08
- Mercedes Benz 235.29, MB 235.11
- VOLVO TRUCKS 97305, 97307, 97318,
- VOLVO iShift, TM MACK mDriveTM

CHEMICAL PROPERTIES

TEST CRITERIA

SAE GEAR OIL VIS GRADE	75W-80
SPECIFIC GRAVITY @ 60F	0.87
KINEMATIC VISCOSITY @ 40C	52.2
KINEMATIC VISCOSITY @ 100 C	9.5
VISCOSITY INDEX	190
FLASH POINT (C)	226
POUR POINT C(F)	-46 (-51)

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