



TRIAx SYNERGY GEAR SF 75W80

FULL SYNTHETIC GL-4 HEAVY DUTY AUTOMATED MANUAL TRANSMISSION FLUID

PRODUCT DATA SHEET

PERFORMANCE LIKE NOTHING ELSE™

TRIAx SYNERGY GEAR SF 75W80 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.

EXTREME DRAIN CAPABILITIES

Designed to provide extreme drain intervals, up to 500,000 miles, in heavy duty Volvo, MAN, Mack and ZF manual truck transmissions.

STATE OF THE ART PRESSURE PROTECTION

Protects against gear scuffing, pitting and adhesive wear allowing for outstanding transmission longevity and significantly lower maintenance costs.

OUTSTANDING OXIDATION STABILITY

Very high oxidation resistance prevents fluid thickening in high operating temperatures, preventing the formation of sludge and laquer on transmission parts.

EXTREME LOW TEMP PERFORMANCE

Very low pour point allows instant lubrication of all transmission parts, preventing startup-up wear even in the coldest conditions.

EXCELLENT SHEAR STABILITY

Excellent viscosity retention throughout its life, without shearing and offering continuous protection.

FULLY CORROSION INHIBITED

Contains an exceptional state-of-the-art detergency pack with no reactive sulfur to prevent synchro corrosion.



**SMOOTH SHIFTING
RAPID LUBRICATION AND TRANSMISSION RESPONSE
500,000 MILES OF UNMATCHED PROTECTION**

APPLICATIONS

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

CHEMICAL PROPERTIES

TEST CRITERIA	VALUE
SPECIFIC GRAVITY @ 60F	0.87
KINEMATIC VISCOSITY	
@ 40C	52.2
@100 C	9.17
VISCOSITY INDEX	151
FLASH POINT (c)	226 C
POUR POINT C(F)	- 51C (-60F)
BROOKFIELD VISCOSITY (-40C)	< 40,000

SPECIFICATIONS

API GL-4	VOLVO iShift
MAN 341 Typ E3	Mack mDrive
MAN 341 Typ Z4	
MAN 341 Typ Z5	Volvo 97305, 97307, 97318
ZF TE-ML 01L	
ZF TE-ML 02L	
ZF TE-ML 16K	
ZF TE-ML 08	

