

TRIAX GEAR PREMIUM LS

Service Category
API GL-5

HEAVY DUTY SEVERE SERVICE PREMIUM GEAR OIL FOR GEAR ASSEMBLIES, DIFFERENTIALS, HYPOID GEARS

TRIAX Gear Premium LS GL-5 oils are premium quality, very high performance multi-purpose gear lubricants which provide outstanding overall gearbox longevity. Performance is obtained through the use quality base oils and a select polysulfide extreme pressure additive system, coupled with state of the art friction modifier additives. These additives impart anti-weld, anti-scuff and anti-wear properties that are necessary in high quality heavy duty severe service gear lubricants. TRIAX gear oils provide excellent protection under the most severe conditions encountered in commercial transmissions, axles, final drives and are designed to be used in limited slip differentials.

TRIAX Gear Premium LS GL-5 oils are formulated with high top tier base oils and a state of the art additive package, with minimal use of viscosity improvers to protect the fluid from shear degradation, facilitating very long fluid and transmission life. These oils are exceptionally stable in high load, high torque conditions and contain advanced EP (Extreme Pressure) additives for exceptional anti-wear protection under both high and low speed conditions.

PERFORMANCE

- Extreme shear resistance and load carrying capacity without shearing
- Exceptional protection for gears, synchros
- Excellent product for use in heavy equipment applications which place higher performance demands on the drive train and differential lubricants
- High quality base oils together with minimal use of VI improvers offer outstanding shear stability
- For use in limited slip differentials, posi-track and other LS differentials
- Exceptional reliability in today's modern drive train applications as well as in the older models
- Provides high thermal stability and outstanding oxidation resistance
- Protects against low speed/ high torque wear and scuffing and "polish wear"
- Improved lubrication and extended seal life with exceptional anti-foaming properties

PERFORMANCE HIGHLIGHTS



**PREVENTS STICKY AND
NOTCHY GEAR CHANGES**

**EFFICIENT TORQUE
TRANSFER**

**EXTREMELY HIGH LOAD
CARRYING CAPABILITIES**

**PREVENTS GEAR SCUFFING
AND PREMATURE WEAR**

APPLICATIONS

TRIAX Gear Premium LS oils are recommended for all on-highway heavy and light duty trucks, vans, and cars and buses requiring API GL-5 and/or MT-1 type fluids. Also recommended for off-highway applications such as construction, mining, agriculture, and quarrying which require these type fluids - gear boxes, torque converters, rear and front differentials.

TRIAX Gear Premium LS GL-5 oils are recommended for all LIMITED SLIP axle and differential applications.

THIS PRODUCT DOES NOT REQUIRE THE USE OF ADDITIONAL LIMITED SLIP ADDITIVES and can be used in all limited slip applications requiring an 80W90/85W140 GL-5 gear lubricant, including heavy duty limited slip rear axles with incorporated wet

SPECIFICATIONS

AAGMA 250.04, AGMA 9005-E02
 AIST 224
 API GL-4, API GL-5, API MT-1
 Arvin Meritor axles, Arvin Meritor
 0-76-A/B/D/M/N/Q
 DAF (GL-5 axle lubricants)
 David Brown S1.53.101(E)
 DIN 51517, Part 3
 Eaton
 Ford WSP-M2C197-A

IVECO (J-2360)
 KOMATSU KES 07.861
 MACK GO-J
 MAN 341 Z-1
 MAN M 3343 Type M
 MB 235.0, 235.1, 235.5, 235.6, 235.8
 MIL-PRF-2105D, MIL-PRF-2105E
 PG-2 Limited Slip
 Mercedes Benz 235.20
 Renault (GL-5)

Scania: STO 1:0, 2:0A
 U.S. Steel 224
 Volvo 97310, Volvo 1273.10
 ZF TE-ML 02A/B, 05A/B/C4, 07A, 08,
 12A/B/C4/E,
 16A /B /C /D/E4/F, 17A/B,19A/B/C, 21A/B
 MAN 342 Type M1, M2, M3
 NATO O-226
 SAE J-2360
 Cincinnati Milacron

CHEMICAL PROPERTIES

TEST CRITERIA	VISCOSITY 80W-90	85W-140
SAE GEAR OIL VIS GRADE	80W-90	85W-140
SPECIFIC GRAVITY @ 60F	0.87	0.9
KINEMATIC VISCOSITY @ 40C	139	367
KINEMATIC VISCOSITY @ 100 C	15.1	27
VISCOSITY INDEX	109	106
FLASH POINT (C)	212	206
POUR POINT C(F)	-30 (-22)	-15 (5)

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

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