



# TRiAX<sup>®</sup> HD PREMIUM GEAR LS

Limited Slip Severe Service GL-5 Limited Slip  
High Performance Gear Oil

## DESCRIPTION

TRiAX HD Gear Premium 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 HD Gear 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.

## APPLICATIONS

TRiAX HD Gear Premium gear 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 oils are recommended for all LIMITED SLIP axle and differential applications.

## 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

## SPECIFICATIONS AND APPROVALS

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  
Cincinnati Milacron  
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  
NATO O-226  
Renault (GL-5)  
SAE J-2360  
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

| TYPICAL CHEMICAL PROPERTIES           | 80W90   | 85W140 |
|---------------------------------------|---------|--------|
| Property                              | Value   |        |
| Density at 15°C(kg/m <sup>3</sup> )   | 884     | 892    |
| Viscosity at 40°C mm <sup>2</sup> /s  | 139     | 367.20 |
| Viscosity at 100°C mm <sup>2</sup> /s | 15.1    | 27.44  |
| Viscosity Index                       | 109     | 106    |
| Pourpoint °C                          | -30     | -15    |
| Flashpoint °C                         | 212     | 206    |
| Brookfield Viscosity cP(-26C)         | 150,000 | 65,000 |
| Color                                 | <3.50   | <3.50  |