Gulf Syngear

Synthetic Total Driveline Lubricant

Product Description

Gulf Syngear series are fully synthetic thermally stable total driveline gear lubricants designed to meet the demanding requirements of light duty and heavy duty commercial vehicles and off-highway equipment operating in most severe operating conditions. These are blended from synthetic base fluids and advanced technology additive system to provide unmatched protection for extended durability of driveline components. These oils possess outstanding load-carrying capability and high viscosity index to provide effective lubrication in applications encountering high-speed/shock load and low-speed/high torque conditions and wide temperature ranges. These oils possess excellent low temperature fluidity and offer improved fuel economy.

Features & Benefits

- Unique additive technology allows the use of a single lubricant in rear axles, synchronised and non-synchronised manual transmissions and therefore helps in rationalisation of products.
- Exceptional thermo-oxidative stability and load bearing characteristics help in extending the life of the driveline components and the oil.
- Effective rust and corrosion protection, especially to copper and its alloys reduces wear, extends synchroniser life and improves shifting performance
- Outstanding low temperature fluidity reduces wear at start up and provides smoother shifting at low ambient temperatures
- Exceptional shear stability helps in retaining viscosity and film strength to protect against wear even under severe operating conditions
- Superior frictional properties provide improved fuel economy and smoother shiftability.

Applications

- Rear axles, synchronised and non-synchronised manual transmissions requiring single lubricant
- Drivetrains requiring oils meeting MAN M 3343 Type S or Scania STO 1:0 and STO 2:0 A
- On-road and Off-highway transmission applications requiring lubricants meeting any of these specs :
  - API GL-5
  - API MT-1
  - MIL-PRF-2105E
  - SAE J 2360
  - Mack GO-J
  - MIL-L-2105 D
- Not recommended for automatic transmissions and limited-slip differentials

Specifications, Approvals & Typical Properties

Meets the following Specifications		**75W-90**	**75W-140**
API GL-5, API MT-1, MIL-PRF-2105E, MIL-L-2105 D, SAE J 2360, Mack GO-J		x	x
ZF TE-ML- 07A, 08, ArvinMeritor 076-N, DAF*, Eaton*, Iveco*		x	
Has the following Approvals			
MAN 342 Typ S1, MAN 341 Typ Z2, MB-Approval 235.8		x	
ZF TE-ML-02B,05A,12L,12N,16F,17B,19C,21A (ZF Approval Number: ZF000863)		x	
Scania STO 1:0 (Gearbox)		x	
Scania STO 2:0 A (Scania axle oil requirement that gives high fuel efficiency and extended oil drain interval)			x
Typical Properties			
Test Parameters	**ASTM Method**	**Typical Values**	
Viscosity at 100 ºC, cSt	D 445	15.00	25.00
Viscosity Index	D 2270	154	168
Flash Point, ºC	D 92	158	160
Pour Point, ºC	D 97	-51	-45
Density @ 15ºC, kg/l	D 1298	0.863	0.867

* - Where either API GL-5 or MIL-PRF-2105E axle lubricants are recommended for use.

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Properties mentioned above are typical only and minor variations, which do not affect the product performances, are to be expected in normal manufacturing. The above information is based on past history of the grade only and must not be construed as a guarantee of performance. Follow equipment manufacturer's recommendations for performance level and viscosity grade. The Material Safety Data Sheet for this product is available from your nearest Gulf Distributor.

Gulf Oil International

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