

Athen Marine Gear 80W-90

Heavy-duty manual transmissions and axle drives

Product Description

Athen Marine Gear 80W-90 is a heavy-duty manual transmission and axle drive for commercial vehicles and passenger cars. It is formulated with mineral base oils and a high-performance additive system to provide excellent protection to gear components. Its excellent extreme pressure properties impart high load-carrying capability to provide reliable protection to gear components in applications with extreme pressure and shock loading. It provides effective protection against oxidation degradation, rust & corrosion, and long service life.

Features & Benefits

- ➔ High-performance additives provide EP protection, protecting components against scuffing and wear
- ➔ Premium shear stability, ensuring that the viscosity is retained throughout the fluid lifetime
- ➔ Good low-temperature fluidity, superior to a standard SAE 90 product, allowing fast circulation during cold-weather start-up
- ➔ Reliable oxidation stability, preventing oil thickening during service and formation of harmful varnish and deposits.
- ➔ Compatible with a wide variety of elastomer materials, preventing loss of fluid due to seal deterioration, and good rust protection

Applications

- ➔ Heavy-duty non-synchronized manual transmissions, axles, and final drives where API GL-5 quality oils are specified.
- ➔ On-road passenger cars, light and heavy-duty trucks, buses, vans, and Off-highway equipment in construction, mining, and agriculture.
- ➔ Not suitable for automatic transmissions
- ➔ Other heavy-duty applications involving hypoid and other gears operating under severe conditions like high speed/shock load, high speed/low torque, and/or low speed/high torque.

Athen Marine Gear 80W-90		
Performance level meets/exceeds	API GL-5, US Military MIL-L-2105D, MB 235.6, MAN 342 Typ M-2 (Formerly MAN 342 Type ML), and ZF TE-ML-05A, 16B, 17B, 19B, 21A	
Test Parameters	ASTM Method	Typical Value
Density @ 15°C, kg/l	D 1298	Report
Viscosity @ 100°C, cSt	D 445	15.00
Viscosity @ 40°C, cSt	D 445	Report
Viscosity Index	D 2270	100
Flash Point, °C	D 92	210
Pour Point, °C	D 97	-30

"Data provided in this PDS is based on standard tests under laboratory conditions and is indicative only. Minor variations that do not affect product performance are expected in normal manufacturing. This product should not be used for any purpose other than those expressly set out in this PDS"