

**EMIRATES1 GEAR OIL SAE 75W90 API GL-5**  
(Fully Synthetic Gear Oil)

**Description**

**Emirates1 Fully Syn Gear Oils** are fully synthetic drivetrain lubricants engineered to meet the most demanding extended drain and OEM warranty requirements. These products are designed for use in heavy duty drivetrains that require gear lubricants with excellent load-carrying capability and where extreme pressures and shock loading are expected. The state-of-the-art technology delivers unequalled performance for low and high temperature applications, including outstanding oxidation stability, wear protection, corrosion resistance, improved shear stability, extended service capability and excellent fuel economy. In addition, these advanced gear oils are formulated with limited-slip additives that meet the performance specifications for service-fill limited-slip applications.

**Applications**

**Emirates1 Fully Syn Gear Oils** are synthetics-based oils designed for the lubrication of all gear boxes and axles requiring an API GL-5.

- Heavy duty manual transmissions, axles and final drives requiring API GL-5 performance
- On-highway light and heavy-duty trucks, busses and vans
- Off-highway equipment’s including construction, mining, quarrying, and agriculture
- Other heavy-duty industrial gear in drives including hypoid and worm gears operating under conditions where high speed/shock load, high speed/low torque, and/or low speed/high torque conditions prevail
- Recommended for equipment such as winch reduction gears and crawler vehicle propulsion gear drives that are exposed to severe low temperatures

**Performance Features and Benefits**

<ul style="list-style-type: none"> <li>• Excellent synchronizer performance giving extended synchronizer life and shift comfort.</li> </ul>	<ul style="list-style-type: none"> <li>• Excellent hydraulic oil stability and protection against high pressure pump wear.</li> </ul>
<ul style="list-style-type: none"> <li>• Exceptional cold flow properties giving smoother gear shift at low temperatures.</li> </ul>	<ul style="list-style-type: none"> <li>• Contributes to protect mechanical parts and improve drivability.</li> </ul>
<ul style="list-style-type: none"> <li>• High load, high torque capability over a wide range of applications.</li> </ul>	<ul style="list-style-type: none"> <li>• Excellent wear reducing properties, high oxidation resistance and anti-rust properties.</li> </ul>
<ul style="list-style-type: none"> <li>• Excellent extreme-pressure properties.</li> </ul>	<ul style="list-style-type: none"> <li>• Fluid synthetic based multigrade oil.</li> </ul>
<ul style="list-style-type: none"> <li>• Excellent stability in service.</li> </ul>	<ul style="list-style-type: none"> <li>• Benefits of low viscosity at low temperature</li> </ul>

**Recommendations/Specifications**

**Meet or exceed (but not limited to) the requirements of the following specifications:**

API GL-5, ArvinMeritor 076-E, O-76N Extended Drain ,SAE J2360,MIL-2105E/F ,Eaton Road ranger- E500/SHAES 256 Rev C, International - TMS-6816 ,Mack GO-J Plus, GO-J (and previous), STEMCO PPS+ and PPS wheel end systems ,Scania STO 1:0,AIST/US Steel 224 ,AGMA 9005-E02, 250.03, 250.04, 251.02, No. 4 ,CEC L-45-A-99 (20 hour shear).

Meets or exceeds the requirements of vehicle manufacturers such as IVECO, MAN, SCANIA and VOLVO.

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*Typical Technical properties*

SAE Grade	75W-80	75W-90	75W-140
Density at 15°C, g/ml, ASTM D4052	0.868	0.870	0.875
Kinematic Viscosity at 40°C, mm <sup>2</sup> /s, ASTM D445	62.10	111.60	234.55
Kinematic Viscosity at 100°C, mm <sup>2</sup> /s, ASTM D445	10.50	16.90	30.20
Viscosity Index, ASTM D2270	160	166	170
Flash Point (COC), °C, ASTM D92	218	222	220
Pour Point, °C, ASTM D97	-48	-48	-45
Brookfield Viscosity at -40°C, Cp, ASTM D2983	88,000	90,000	115,000

\*C & B: Clear & Bright

**Note:** The information on this Product Data Sheet is believed to be accurate and is typical of current production. Specifications are subject to change without notice. For additional queries, please contact Emirates 1 Technical Service Department.

**Health and Safety:** Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS). Safety Data Sheets available on request.

**Available in:** Cartons: 12 x 1 L, 24 x 1 L, 4 x 5 L, 6 x 4 L, 6 x 5 L. Pails: 18.9 L & 20 L. Drums: 200 L, 208 L, 1000 L.