



TECHNICAL DATA

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#740 SYNTHETIC LUBE EP 80W-140 E/A

Synthetic Lube EP E/A SAE 80W-140 is a thermally stable, heavy duty, extreme pressure, multipurpose, synthetic gear lubricant specially formulated for use in all automotive gear drives, especially those that require an approved lubricant for Eaton®, Fuller, Roadranger and Meritor (formally Rockwell International) extended warranties.

Synthetic Lube EP E/A Gear Lubricant SAE 80W-140 is compounded from the finest quality synthetic base fluids available. These synthetic base fluids provide the Synthetic Lube EP E/A SAE 80W-140 with the following advantages:

1. **Excellent low temperature properties**
2. **Excellent resistance to oxidation and thermal degradation**
3. **High viscosity index**
4. **Increased gear and bearing wear protection and life, especially at low and high ambient and operating temperatures.**
5. **Extended oil drain intervals**

Blended into these synthetic base fluids is a non-corrosive, multifunctional additive package that provides Synthetic Lube EP/ EA Gear Lubricant SAE 80W-140 with extreme pressure and anti-wear properties to protect gears and bearings under a wide variety of operating conditions from excessive wear, premature bearing and gear fatigue, spalling, pitting and scoring. This additive package also provides the Synthetic Lube EP E/A Gear Lube SAE 80W-140 with rust and corrosion inhibiting properties and demulsibility characteristics.

Synthetic Lube EP E/A Gear Lubricant SAE 80W-140 can be used in limited slip, positraction and high offset hypoid gear rear ends and differentials. Synthetic Lube EP E/A Gear Lubricant SAE 80W-140 are approved by Eaton and Meritor Automotive Inc. (formerly Rockwell International) for their 750,000 mile extended warranty program.

Synthetic Lube EP E/A Gear Lubricant SAE 80W-140 meets and exceeds the following specifications and manufacturers requirements:

API Service Classifications: GL-5 and MT-1; United States Military Specifications: MIL-PRF-2105E, SAE J2360; Dana SHAES 256 Rev C and SHAES 429; Eaton Axle PS-037, PS-037, PS-163; Mack GO-J and GO-J Plus; Navistar TMS 6816; Meritor/Rockwell O-76B and O-80.

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Typical Properties

SAE Grade	80W-140
Specific Gravity @ 60°F/15.6°C	0.902
Viscosity, cSt @ 40°C (ASTM D-445)	284
Viscosity, cSt @ 100°C (ASTM D-445)	30.60
Viscosity, cP °F/°C (ASTM D-2683)	
@ 10°F/-12°C	14,800
@ 0°F/-18°C	20,500
@ -15°F/-26°C	75,000
@ -40°F/-40°C	-----
Viscosity Index (ASTM D-2270)	146
Pour Point °F/°C (ASTM D-97)	<-48°/<-45°
Flash Point °F/°C (ASTM D-92)	395°/200°
Copper Strip Corrosion Test (ASTM D-130)	
3 hours @ 100°C	1a
FZG Test (ASTM D-5182)	
Failure Stage	12 th