



# TECHNICAL DATA

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## #740 SYNTHETIC LUBE EP 80W-140 E/A #741 SYNTHETIC LUBE EP 75W-90 E/A

Synthetic Lube EP E/A are thermally stable heavy duty extreme pressure, multipurpose, synthetic gear lubricants that are 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 Lubricants are compounded from the finest quality synthetic base fluids available. These synthetic base fluids provide the Synthetic Lube EP E/A 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 multi-functional additive package that provides the Synthetic Lube EP/ EA Gear Lubricants 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 Lubes with rust and corrosion inhibiting properties and demulsibility characteristics.

Synthetic Lube EP E/A Gear Lubricants can be used in limited slip, positraction and high offset hypoid gear rear ends and differentials. Synthetic Lube EP E/A Gear Lubricants 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 Lubricants meet and exceed the following specifications and manufacturers requirements: API Service Classifications GL-5 and MT-1, Military Specifications MIL-L-2105D and MIL-PRF-2105E, SAE J2360, Dana SHAES 256 Rev C and SHAES 429, Eaton Axle PS-037, PS-037, PS-163, PS-109 (75W-90), GO-J Plus(80W-90), Navistar TMS 6816, Meitor Automotive O-76E (75W-90), O-76N (75W-90) O-76-B (80W-140) and O-80 (80W-140)

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TD-740/741 (Rev 07/2010)

	<b>#740 Synthetic Lube EP E/A</b>	<b>#741 Synthetic Lube EP E/A</b>
SAE Grade	80W-140	75W-90
Specific Gravity @ 60°F/15.6°C	0.902	0.891
Viscosity, cSt @ 40°C (ASTM D-445)	284	122
Viscosity, cSt @ 100°C (ASTM D-445)	30.60	16.60
Viscosity, cP °F/°C (ASTM D-2683)		
@ 10°F/-12°C	14,800	----
@ 0°F/-18°C	20,500	7,125
@ -15°F/-26°C	75,000	-----
@ -40°F/-40°C	-----	125,000
Viscosity Index (ASTM D-2270)	146	147
Pour Point °F/°C (ASTM D-97)	<-48°/<-45°	-40°/-40°
Flash Point °F/°C (ASTM D-92)	395°/200°	400°/204°
Copper Strip Corrosion Test (ASTM D-130)		
3 hours @ 100°C	1a	1a
FZG Test (ASTM D-5182)		
Failure Stage	12 <sup>th</sup>	12 <sup>th</sup>
Timken EP Test (ASTM D-2782)		
OK Load, lbs	85	50

Packaging: Synthetic Lube EP E/A Gear Lubricants are available in 420lb. drums, 120lb. kegs and 40lb. pails.