

# Eaton 80W-140 Synthetic Gear Lubricant



## COMPONENT APPROVALS

Dana SHAES 429 Rev A

Meritor O76-Q, O76-R

International TMS 6818

Mack GO-J

SAE J2360 / MIL-PRF-2105E

API MT-1

API GL-5

80W-140 synthetic gear lubricant is a heavy-duty, extreme pressure, GL-5 gear lubricant. It is compounded using a synthetic base-stock which has a high viscosity index and an exceptionally low pour point. This lubricant contains extreme pressure additives, as well as rust, oxidation and corrosion inhibitors to protect gears and bearings operated under a wide variety of load conditions. The high and low temperature performance of this product exceeds those of conventional SAE 80W-140 and 85W-140 hypoid gear lubricants.

## Applications:

Exceptionally well suited for use in vocational applications where high viscosity lubricants are required. Recommended for applications where heat and wear present major problems. These applications include differentials including limited slip and transfer cases for heavy equipment, trucks, tractors and industrial gear drives. Automobiles, light duty trucks and farm machinery are other potential uses of this lubricant.

## Eaton Synthetic Gear Lubricants Outperform Conventional Gear Lubricants

- Longer Axle Component Life
- Reduces Gear Wear
- Less Maintenance
- Less Oil Disposal
- Increases Vehicle Uptime
- Improves Protection In Extreme Conditions
- Extended Drain and Extended Warranty Protection
- Genuine OEM Equipment

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# Eaton® 80W-140 Synthetic Gear Lubricant

## Technical Data

Typical Characteristics	Eaton EP 80W-140	Test Method
SAE grade	80W-140	J-306
Viscosity, cSt		ASTM D-445
100 °C	30.6	
40 °C	284	
Viscosity, SUS		ASTM D-2161
210°C	149	
100°C	1470	
Flash point, °C (°F)	207 (405)	ASTM D-92-97
Pour point *C (*F)	<-40 (<-40)	ASTM D-97
Viscosity, cP		ASTM D-2983
0 °C (32 °F)	–	
-10 °C (14 °F)	–	
-12 °C (10 °F)	14800	
-18 °C (0 °F)	20500	
-20 °C (-4 °F)	–	
-26 °C (-15 °F)	75000	
Foam test		ASTM D-892
Sequence I	pass	
Sequence II	pass	
Sequence III	pass	
Copper strip corrosion		ASTM D-130
3 hrs at 100°C (212° F)	1a pass	
3 hrs at 121°C (250°F)	1a pass	
FZG, load stage, pass	12	ASTM D-5182

\* BASF Product Code: 2831

\*\* BASF Synlubes technology is certified under ISO 9001 and ISO TS 16949

## Technical Application Data

Performance benefits of Eaton 80W-140 outperforms conventional gear lubricants to promote longer gear life and better operating economy. Some of the major advantages are:

- Increased gear life – These extreme pressure lubricants result in longer gear life by providing extremely high film strength and superior low temperature performance. They also have anti-rust and anti-corrosion properties to further promote extended gear and bearing life. These lubricants exhibit excellent demulsibility and shear stability.
- Better operating performance – As a result of the superior lubricating properties of 80W-140, improved fuel mileage can be realized.
- Extended drain, all-season lubrication – With extremely low channel points and high viscosity indices, this lubricant provides excellent performance over a broad temperature range. Further, since it resists oxidation, it will last significantly longer than conventional gear oils.
- Reduced maintenance and downtime – All of the foregoing advantages of this lubricant translate directly into reduced maintenance and less downtime.

## Handling

Please refer to material safety data sheet for details.

## Shelf Life

Subject to appropriate storage in closed original containers under the usual storage and temperature conditions, Eaton 80W-140 is stable for at least three years.

## Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

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