



Transgear S 80W-140

Synthetic Automotive Gear Oil

Product Data

Applications

Transgear S 80W-140 is an extreme pressure, heavy duty gear lubricant formulated from synthetic base stocks. This oil meets or exceeds the performance requirement of major manufacturers of drive-line components including Eaton, Rockwell, Mack and Dana (Spicer).

The high and low temperature performance of this product far exceeds that of conventional mineral oil based hypoid gear oils.

In addition to extreme pressure protection, the additive system offers rust, oxidation and corrosion inhibitors to offer maximum protection to gears and bearings operating under a wide variety of load conditions.

Transgear S 80W-140 is recommended for use in bevel, spiral and hypoid gear type differentials, either single or double reduction, and in power dividers.

Benefits

- Provides optimum lubrication in all climatic conditions.
- Resistance to high temperatures may allow extended drain intervals thus reducing costs.
- Extremely high film strength providing improved gear life, longer wear and reduced maintenance costs.
- Approved by major gear manufacturers.
- Suitable for use in the majority of hypoid and spiral bevel differential applications – including “limited slip” differentials.

Specifications

Transgear S 80W-140 meets or exceeds all the performance requirements for:

- API GL-5
- API MT-1
- MIL-PRF-2105E
- SAE 80W-140 viscosity

As well as major industry quality specifications:

- Rockwell International 0-76-B.
- Easton Axle bulletin 116 (Rev.1).
- Mack Truck GO-J.
- Axle Division Dana Corporation (Spicer).
- General Electric D50E9C.
- Harnischfeger (P&H) 474.



Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

Health & Safety Recommendations

Health, safety and environmental information is provided for this product in the Materials Safety Data Sheet, which can be obtained by contacting the BP Lubricants and Fuels Technical Helpline on 1300 139 700, BP Australia or its subsidiaries. This gives details of potential hazards, precautions and First Aid measures, together with environmental effects and disposal of used products. BP Australia will not accept liability if the product is used other than in the manner or with the precautions or for the purpose/s specified. Before the product is used other than as directed, advice should be obtained from the local BP office or BP Lubricants and Fuels Technical Helpline 1300 139 700.

Typical Characteristics

	Test Method	Units	Typical Value
Appearance	Visual		Brown, Clear & Bright *
Density @ 15°C	ASTM D1298	kg/L	0.912
Flash Point (PMC)	ASTM D93	°C	202
Kinematic Viscosity			
@ 40°C	ASTM D445	CSt	254
@100°C	ASTM D445	CSt	31.3
Viscosity Index	ASTM D2270		172
Channel Point	FTMS 3456	°C-	-48
Pour Point	ASTM D97	°C	<-30
Foaming Test	ASTM D892		
Sequence I		ml/ml	5/0
Sequence II		ml/ml	10/0
Sequence III		ml/ml	5/0

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

*** Note:** There may be colour variation from light amber to dark brown with this product depending on storage, heat and age. This is expected and will have no impact on product performance.

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BP Australia Pty Ltd
ABN 53 004 085 616
Lubes & Fuels Tech Helpline: 1300 139 700
Fax (Australia): 03 9268 4394

www.bp.com