



Transgear FE 80W-140

Semi-Synthetic Fuel Saving Automotive Gear Oil

Applications

Transgear FE 80W-140 is a multigrade, extreme pressure, automotive gear oil formulated with BP's unique hydrocracked HC Synthetic base oil, to provide excellent anti-wear performance, corrosion protection and thermal oxidation stability.

Transgear FE 80W-140 can be used to replace Hypogear 85W-140 or similar performance level products to give grade rationalisation and/or fuel savings. The main application is in commercial vehicle fleets where such fuel savings give a significant reduction in operating costs.

Main Benefits

- Improves fuel economy by up to 2% by reducing internal resistances and minimising friction in gear-tooth contacts and bearings.
- Has excellent low temperature fluidity, providing full lubrication to critical components immediately on start-up from cold.

- Has high thermal/oxidation stability, minimising deterioration in service and preventing sludge, lacquer and acidic by-products.
- Improves low temperature gear shifting in manual transmissions.
- Offers potential for grade rationalisation.

Specifications

Transgear FE 80W-140 meets the requirements of the:

- API Service Classification GL5.
- MIL-L-2105D

Also recommended for various transmission and/or axles units in most other trucks, including DAF, Iveco, Renault VI, Scania and Volvo commercial vehicles.

Storage

All packages should be stored under cover to avoid the possible ingress of water and the obliteration of drum

markings. Products should not be stored above 60° C.

Health, Safety and Environment

Health, safety and environmental information is provided for this product in the relevant 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

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 Lubricants and Fuels Technical Helpline.

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Typical Characteristics

Grade:	Transgear FE 80W140			
Mnemonic:	TFE8014			
	Test Method	Units		
Appearance	Visual	-	Undyed	
Density @ 15°C	ASTM D1298	kg/L	0.898	
Kinematic Viscosity				
@ 40°C	ASTM D445	cSt	237	
@ 100°C	ASTM D445	cSt	25.7	
Viscosity Index	ASTM D2270	-	139	
Brookfield Viscosity	ASTM D2602	mPa.s	3000	
@ -18°C	ASTM D2602	mPa.s	140,000	
@ -26°C				
Pour Point	ASTM D97	°C	-27	
Flash Point (COC)	ASTM D92	°C	220	

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

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