



Energear EP

Automotive Gear Oils

Applications

Designed for use in a wide range of gear units with spur, bevel or helical gear design, including synchronized manual gearboxes, transmissions and axles under moderately severe load and pressure

conditions. It is applicable equally for passenger cars, light and heavy trucks, agricultural and building machinery, even for topping up well run-in hypoid transmission units.

Main Benefits

*High safety margin against foaming and corrosion. *Reasonable viscosity/temperature and cold flow properties;

*Compatible with all seal and metal types Offers effective protection of gear transmissions prolonging component life

Specifications

The Energear EP range meet the requirements of API GL-4. The 80W-90 grade also meets ZF TE-ML 02A, 16A and 17A.

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 and Environment

Health, safety and environmental information is provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures, together with environmental effects and disposal of used products.

The British Petroleum Company p.l.c. 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.

Typical Characteristics

Test Methods

Units

Grade :

			80W-90	85W-140
Density at 15 °C	ASTM D1298	kg/cbm	894	923
Kinematic viscosity at 40 °C	ASTM D445	mm ² /s	133	484
Kinematic viscosity at 100°C	ASTM D445	mm ² /s	13.8	28.8
Viscosity Index	ASTM D2270		97	95
Pour Point	ASTM D97	°C	-27	-15
Flash Point (COC)	ASTM D92	°C	193	>200
Phosphorus	ICP	%mass	0.069	0.026

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

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