

Energear HT Range

Automotive Gear Oils

Description

Energear HT grades are high performance heavy duty multi grade gear lubricants.

Application

Energear HT grades are designed as complete driveline lubricants for use in all types of automotive gear boxes, axles and final drives, including hypoid axles and synchronised manual transmissions. Energear HT grades are suitable for commercial vehicles, passenger cars, agricultural and construction equipment, dependent on the viscosity grade required.

Main Performance Features

- Complete driveline application, allowing rationalisation of lubrication stocks and minimising risk of misapplication.
- Excellent wear protection under the most severe load conditions allowing longer component life.
- Low temperature fluidity ensuring adequate supply of lubricant to critical components in cold start up conditions allowing longer component life.
- Inhibition of corrosion and foam.
- Improved thermal stability compared to conventional gear oils, coupled with superior synchromesh compatibility and durability allow drain intervals to be extended, resulting in lower maintenance costs.

Approvals

Energear HT 75W-90

- API GL-4 and 5, MT-1.
- ZF TE-ML 02B, 05B, 12B, 16F, 17B, 19C.

Energear HT 80W-90

- API GL-1, 2, 3, 4 & 5.
- ZF TE-ML 02B, 05A, 12E, 16C, 17B, 19B.
- MAN 3343 ML.
- Scania STO 1:0.
- MT-1.

Care and Handling

To be used in accordance with equipment manufacturers' recommendations, particularly with regard to oil and filter change intervals where appropriate.

Packaging and Storage

Supplied in drums of approximately 210 litres or small packs of approximately 20 litres. Note that pack size may vary according to country of supply.

Where outdoor storage is unavoidable, drums should be covered.

The drums should be stored in such a way as to ensure that they are not damaged and grade markings not obliterated; position them horizontally to prevent water collecting on drum ends.

Ensure packs are tightly re-sealed after use.

Typical Characteristics

	Unit	Test Method	Energear HT 75W-90	Energear HT 80W-90
Density at 15°C	kg/m ³	ASTM D1298	872	902
Kinematic Viscosity @ 40 °C	mm ² /s	ASTM D445	94	168
Kinematic Viscosity @ 100 °C	mm ² /s	ASTM D445	13.9	16.9
Viscosity Index	-	ASTM D2270	150	110
Pour Point	°C	ASTM D97	-42	-30
Flash Point	°C	ASTM D92	190	214

The above figures are typical of those obtained with normal production tolerances, and do not constitute a specification. Note 1 mm² s⁻¹ = 1 cSt.

General Advice

Further information on all BP Marine lubricants is available from any BP Marine office or from:

BP Marine www.bpmarine.com

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