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Energear SHX-LS  
**Synthetic Limited-Slip Hypoid Gear Oil SAE 75W-90**

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### Applications

Energear SHX-LS is a full synthetic high performance SAE 75W-90 gear lubricant, specifically developed for highly loaded limited-slip axles of modern passenger cars.

It is also applicable for other axles and certain manual gearboxes, if API GL-5 performance level is recommended by the manufacturers.

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### Features / Benefits

Energear SHX-LS exceeds conventional limited-slip gear oils in terms of high temperature, oxidation and viscosity stability, efficient foam inhibition and optimum flow characteristics even at lowest ambient temperatures.

It has got an extremely high level of wear protection and load carrying capacity and effectively reduces noise and vibration from transmission and multi-disc differential brakes.

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### Specifications / Performance

- SAE 75W-90
- API GL-5
- MIL-L2105D

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### 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.

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### 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.

Castrol (UK) Ltd. 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 Castrol office.

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### Typical Characteristics

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**Test Methods**

**Units**

**Value:**

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**SAE 75W-90**

<b>Test</b>	<b>Method(s)</b>	<b>Unit</b>	<b>Min</b>	<b>Typical</b>	<b>Max</b>
Density @ 15C, Relative	ASTM D1298-85(1990)	g/ml		0.859	
Appearance	Visual		Clear & Bright	Clear & Bright	
Viscosity, Kinematic 100C	ASTM D445-97	mm <sup>2</sup> /s	15.0	15.5	16.0
Viscosity, Brookfield @ -40C	ASTM D2983-87(1993)	mPas		139000	150000
Flash Point, COC	ASTM D92-97	°C		214	
Viscosity, Kinematic 40C	ASTM D445-97	mm <sup>2</sup> /s		102.7	
Viscosity Index	ASTM D2270-93	None	155	160	
Pour Point	ASTM D97-96a	°C		-54	

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

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