Product Data

Tribol™ GR HS 1.5

High Speed Spindle Bearing Grease

Description

Castrol Tribol™ GR HS 1.5 (previously called Castrol Longtime™ HS 1.5) is a synthetic high performance grease based on novel thickener-technology. It has excellent mechanical and shear stability and extraordinary resistance against water and humidity as well as metalworking fluid emulsions.

Application

- Lubrication of extreme fast running roller and slide bearings (spindle-bearings).
- For long-term and lifetime lubrication in high speed bearings even under difficult operating conditions.
- For Bearing-lubrication even under strong influence of emulsions or water.
- Temperature application range: - 40°C to + 120°C.

Advantages

- Excellent mechanical and shear stability.
- Extraordinary resistance against water and metalworking fluid emulsions.
- Decreased grease consumption and longer bearing lifetime.
- Extraordinary corrosion-protection even under the influence of emulsions.
- Extraordinary stable grease consistency even under the influence of emulsions.
- Improved machine availability due to extended grease intervals and reduced downtime.
- Very high wear protection

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Expertos en lubricación industrial y automoción

Experts in industrial and automotive lubrication

Typical Characteristics

Name	Method	Units	Tribol GR HS 1.5
Appearance	Visual	-	Off-White/Yellow Grease
Thickener Type	-	-	Polymer
Base oil	-	-	PAO
Consistency	ASTM D217 / ISO 2137	NLGI Grade	1.5
Worked Penetration (60 strokes @ 25 °C/77 °F)	ASTM D217 / ISO 2137	0.1mm	310
Dropping Point	ASTM D566 / ISO 2176	ºC/ºF	>155 / >310
Base Oil Viscosity @ 40 ºC/104 ºF	ASTM D 445 / ISO 3104	mm²/s	46
Base Oil Viscosity @ 100 ºC/212 ºF	ASTM D 445 / ISO 3104	mm²/s	8
Water resistance	DIN 51807-1	Rating	0
Flow Pressure @ -40 °C/-40 °F	DIN 51805	hPa	<1500
FE9 Bearing Life test - A/1500/6000-120	DIN 51821-2	Pass	Pass
Speed Factor	-	mm / min-1	1,400,000

Subject to usual manufacturing Tolerances.

Additional Information

Speed Factors are to be used as a guide depending on the type and size of the rolling bearing and the operating conditions.
Tribol GR HS 1.5 is compatible with all other thickening systems, however to realise the full benefits all previous grease should be removed.
This product was previously called Longtime HS 1.5. The name was changed in 2015

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