



BP Energrease HTG 2

High temperature bearing grease

Description

BP Energrease™ HTG 2 is a non-melting grease for the lubrication of bearings at high temperatures. It has no drop point. This grease is based on an oxidation resistant, thermally stable base oil and an inorganic thickener.

Application

Energrease HTG 2 is suitable for the lubrication of rolling and plain bearings of all sizes and types and operating at high temperatures, such as in carriages for hardening, drying in tunnel ovens, also in bearings of bitumen mixing plants, cranes in foundries, hot air blowers etc.

It can be used at a temperature range of -20 to +150°C, and for short periods at a temperature of up to +220°C. Where high temperatures are combined with high speed, more frequent re-greasing or grease change is necessary.

Advantages

- High oxidation stability
- Application over a wide range temperature
- Easy to dispense
- Good protection against corrosion
- Reduces mechanical wear

Typical Characteristics

Test	Methods	Units	HTG 2
Thickener	-	-	Bentonite/Polymer
NLGI Number	ISO 2137 / ASTM D217	-	2
Colour	-	-	Light Brown
Texture			Smooth
Drop Point	ISO 2176 / ASTM D2265	°C	>300
Base oil viscosity 40°C	ISO 3104 / ASTM D 445	mm ² /s	200
Worked Penetration 25°C / 60 strokes	ISO 2137 / ASTM D217	0.1 mm	265-295
Worked Penetration 25°C / 100,000 strokes	ISO 2137 / ASTM D217	0.1 mm	30
Oil Separation 168 h / 40°C	DIN 51817 / IP 220	% wt	3
Anti-Rust Performance (Emcor)	DIN 51802 / ASTM D942	-	0/0
Oxidation Stability 100 h/100°C	DIN 51808	bar	0.25
Copper Corrosion	DIN 51811		1b
Water resistance, 3 h/90 °C	ASTM D1264 / DIN 51 807/1	-	1
SKF-R2F-test rig Cond. 'B', 140°C	DIN 51806	-	pass
Shell Roll Stability	ASTM D1831	Change	<+30 units
DIN Classification			K2N-20

Subject to usual manufacturing tolerances.

Additional Information

In order to minimise potential incompatibilities when converting to new grease, all previous lubricant should be removed as much as possible prior to operation. During initial operation, relubrication intervals should be monitored closely to ensure all previous lubricant is purged.

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