

Energrease HTG 2

High Temperature Bearing Grease

Description

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 at high temperature, such as in carriages for hardening, drying in tunnel ovens, also in bearings of bitumen mixing plants, cranes in foundries, hot air blowers, etc.

Energrease HTG 2 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.

Main Performance Features

- High oxidation stability.
- wide range temperature of application.
- easy to dispense.
- Good protection against corrosion.
- Reduces mechanical wear.

Packaging and Storage

Supplied in packs of approximately 18 kg pails and 180 kg drums. Note the actual pack size may vary according to country of supply.

Where outdoor storage is unavoidable, packs should be covered.

Ensure packs are tightly resealed after use and that they have not been contaminated in any way.

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, re-lubrication intervals should be monitored closely to ensure all previous lubricant is purged.

Typical Characteristics

	Unit	Test Method	Energrease HTG 2
Thickener			Bentonite / Polymer
NLGI Number		ISO 2137 / ASTM D217	2
Texture		Visual	Smooth
Colour		Visual	Light Brown
Drop Point	°C	ISO 2176 / ASTM D2265	>300
Base oil viscosity @ 40 °C	mm ² /s	ISO 3105 / ASTM D446	200
Worked Penetration			
25°C / 60 strokes	0.1 mm	ISO 2137 / ASTM D217	265-295
25°C / 100,000 strokes	0.1 mm		30
Oil Separation 168 h / 40 °C	% wt	DIN 51 817 / IP 220	3
Anti -Rust Performance (Emcor)		DIN 51802 / ASTM D942	0/0
Oxidation Stability, 100h / 100 °C	bar	DIN 51808	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 51 806	Pass
Application temperature range	°C		-20 ~ +150
For short periods maximum:	°C		220
Shell Roll Stability	Change	ASTM D1831	<+30 units
DIN Classification			K2N-20

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
 Technology Centre
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