



Product Data

High Temperature Grease

Multipurpose high temperature grease

Description

Castrol High Temperature Grease is a high performance, multipurpose lithium complex grease developed using an optimized combination of high quality mineral oil, proprietary thickener technology and a specially selected additive system enabling reliable performance across a wide range of temperatures whilst exposed to a variety of operational loads, speeds and environmental conditions.

Application

Castrol High Temperature Grease is intended for use in a wide range of plain and rolling element bearings within the Automotive, Industrial, Marine and Energy Industries, especially targeting those applications where upper operating temperatures are likely to exceed the limits of conventional, lithium thickened greases.

The excellent thermal and mechanical stability of Castrol High Temperature Grease make it particularly suitable for use in bearing applications of higher than normal temperatures.

Castrol High Temperature Grease also offers good resistance to water and corrosion as well as very good load carrying performance making it suitable for general lubrication of bearings, slides & bushes on off-road construction, on shore drilling sites and offshore installations where greater extremes of pressure may be prevalent.

Features and Benefits

- Excellent thermal and mechanical stability ensure prolonged product integrity across a wider operating temperature range, thus enabling extended relubrication intervals and reduced maintenance.
- Good extreme pressure and anti-wear properties provide the potential for prolonged component life.
- Good water resistance provides enhanced protection in applications where the potential for exposure and contamination are higher.
- Good corrosion protection.
- Excellent multipurpose potential enabling a reduction in product inventory.

Technical Data

Name	Method	Units	High Temperature Grease
Thickener			Lithium Complex
Base Oil			Mineral
Appearance	Visual		Smooth brown grease
NLGI Grade	ASTM D 217		2
Cone Penetration, Worked 60 Strokes	IP 50	10ths/mm	275
Cone Penetration, Worked 100,000 Strokes	IP 50	10ths/mm	285
Base Oil Viscosity @ 40°C	ASTM D 445	mm ² /s	180
Dropping Point, Grease	ASTM D566	°C	260
Oil Separation, 18 hrs @ 100°C	IP121	%	7.5
Oil Separation	ASTM D 1742	%	3.6
Water Washout, 1 hr @ 79°C	ASTM D 1264	% w t	3.5
Emcor Corrosion Protection, Distilled Water	IP220	Rating	0 - 0
Corrosion Prevention	ASTM D 1743	Rating	Pass
Pressure Vessel Oxidation, Pressure Drop @ 100 hrs	ASTM D 942	psi	2.0
4 Ball Weld Point	IP 239	kg	310
Wheel Bearing Leakage @ 105°C	ASTM D 1263	g	2.3
Temperature Range			-30°C to +140°C

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

Additional Information

Castrol High Temperature grease is an EP grease and is generally not recommended for electric motor bearings.

Care and Handling

Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.

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 600C, exposed to hot sun or freezing conditions.

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