



# TECHNICAL DATA

## **GB UNIGREASE® 1719**

GB UNIGREASE® 1719 is an industrial, extreme-temperature, medium-consistency, plain and rolling bearing grease for applications where operating temperatures may reach 600°C. This grease incorporates a special dispersion of fine particle-size graphite, in a synthetic fluid which evaporates cleanly at high temperatures without leaving abrasive ash deposits.

GB UNIGREASE® 1719 is primarily designed for extreme-temperature operations such as kiln-car bearings, furnace door and drying tunnel mechanisms. At very high temperatures, conventional high-temperature greases have severe limitations, as their performance is restricted by their base fluid and thickener systems. These degrade at high temperatures and destroy the grease structure, thereby shortening the useful working life of the grease and forming abrasive carbon deposits. GB UNIGREASE® 1719 is designed so that, at elevated temperatures, its liquid phase evaporates without leaving abrasive carbon deposits.

## **COST SAVING BENEFITS**

- No carbonisation at high temperatures, greatly reducing maintenance costs and extending component life
- Excellent load bearing and anti-wear performance
- Excellent mechanical stability extends relubrication intervals and reduces lubrication costs.

## **METHOD OF APPLICATION**

GB UNIGREASE® 1719 must be applied sparingly, preferably by hand, after fitting and before assembling the bearing housing. It can also be applied as a service lubricant by high pressure grease gun. Anti-friction bearing housings need to be vented so as not to inhibit the evaporation process of the base fluid. On anti-friction bearings, over-lubrication must be avoided as this could lead to an excessive build-up of graphite in the rolling elements of the bearing. Always follow the equipment manufacturer's instructions.

Bearings need to be purged of the previous grease before starting to use GB UNIGREASE® 1719.

## **TYPICAL PHYSICAL CHARACTERISTICS**

Appearance	-	Smooth Black grease
NLGI Classification	-	2
Thickener	-	Carbon Black
Base Oil	-	Polyalkaline glycol
Base Oil Viscosity @ 40°C (ASTM D445)	-	125 cSt.
Dropping point (ASTM D2265)	-	>280°C

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## **GB LUBRICANTS**

Albany Road Gateshead NE8 3BP

Tel: 0191 490 4312  
Fax: 0191 477 9544  
e-mail: gblsales@gb lubricants.co.uk  
www.gblubricants.co.uk

Trading Name of Goodall Bates & Todd Ltd



## GB UNIGREASE® 1719

Four Ball Weld Load (IP 239)	-	315 kgf
Operating Temperature Range	-	-30°C to +200°C (600°C as a dry lubricant)

### **STORAGE AND HANDLING**

GB UNIGREASE® 1719 should be stored under cover to avoid water collecting in the rim of upturned pails. Ideal storage temperature between 0°C and 25°C, away from moisture and direct sources of heat or sunlight.

Further information on GB UNIGREASE® 1719 can be obtained by referring to the corresponding Safety Data Sheet.

***The Company policy is to ensure that a range of products is supplied which complies with the latest specifications and codes within the relevant industry. As part of this development process, we therefore reserve the right to amend formulations without prior notice.***

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