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TEKAMAN LUBRICATION TECHNOLOGY

SMOOTHER WORLD BETTER LIFE

Technical Data Sheet

DBA
High Temperature and High Speed Grease

Recommended Temperature
−40 °C to +240 °C
Short-term peak +260 °C

Examples of Application

- High-speed, servo and variable-speed motor bearings
- Bearings in high-speed fans and centrifugal equipment
- Bearings in precision machine tools and hot conveyors

Features and Benefits

✓ Polyurea grease for continuous high-speed service
✓ Designed for shear stability and wear protection
✓ Oxidation resistance at elevated temperatures

NLGI Grade	2	Test Method
Appearance	Smooth, uniform grease	Visual
Thickener	Polyurea	—
Worked penetration (25 °C, 60 strokes), 0.1 mm	282	ASTM D217
Dropping point, °C	278	ASTM D2265
Base oil viscosity (40 °C), mm^2/s	96.8	ASTM D445
Base oil viscosity (100 °C), mm^2/s	13.5	ASTM D445
Viscosity index	140	ASTM D2270
Last nonseizure load (PB)	920 N	ASTM D2596
Four-ball wear scar diameter, mm	0.5	ASTM D2266
Oil separation, wire mesh (100 °C, 24 h), %	2.1	ASTM D6184
Oxidation pressure drop (99 °C, 100 h), kPa	22	ASTM D942
Copper strip corrosion (T2, 100 °C, 24 h)	Pass	GB/T 7326
Corrosion preventive properties (52 °C, 48 h)	Pass	ASTM D1743

Application Notes

- Fill bearings to 1/3–1/2 of the internal free space. Over-greasing may cause temperature rise and leakage.
- Before changing greases, remove the old grease or confirm compatibility between the old and new products. A compatibility test is recommended before bulk application.
- Do not mix with greases of different thickener systems (e.g., lithium, calcium, bentone).
- Store in a cool, dry and clean place, protected from moisture and contamination. Use as soon as possible after opening.

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Safety Data Sheet (SDS) are followed. The SDS is available upon request. Do not use this product for purposes other than the intended application. Take care to protect the environment when disposing of used product.

The above data correspond to latest technology, modifications reserved. This information is intended as a guide and does not necessarily represent a marketing specification. In individual cases tests have to be carried out by the consumer. Further data upon request.