Technical Data Sheet

SAR Lubricants

Last Updated: 20.09.2016
Product Code:

HIGH TEMP OIL 300M is a superior quality, high molecular weight, hydrocarbon polymer containing solid lubricant designed to evaporate slowly at high temperatures, leaving very little deposit. Designed for the lubrication of slow speed (less than 300 rpm) plain and anti-friction bearings operating at high temperatures (over 1800C) where normal greases would leave heavy deposits causing blockages and jamming, which can lead to eventual bearing failure.

APPLICATION

High Temp Oil 300M can be used in bearings which are normally grease-lubricated, and may be applied by a high pressure hand grease gun or spatula. Only sufficient product should be applied to wet all the running surfaces thoroughly. Over-application will result in leakage from the bearing and may promote premature wear or failure.
It is advisable to clean bearings before first applying in order to ensure minimum deposit formation.

NOTE: Not suitable for application by automatic grease systems, and should be stored in a warm place to make hand pumping easier. Do not use in enclosed systems which may inhibit the evaporation process.

BENEFITS

- Food grade formulation, suitable for use at very high temperatures.
- Negligible deposit formation.
- Evaporates slowly at high temperatures leaving a film of molybdenum disulphide.
- Designed to prolong component life.

TYPICAL PROPERTIES

Appearance:	Dark Gray Viscous Liquid
Base Oil Type:	Hydrocarbon polymer
Viscosity at 40^{0}C:	c. 13,000 cSt
Viscosity at 100^{0}C:	c. 315 cSt
Solid Lubricant:	Molybdenum Disulphide
Temperature Range:	180^{0}C to 300^{0}C

Shell 4 Ball (IP 239)(ASTM D2596) -	
Weld Load:	178kgs
Load-Wear Index:	38kg
Corrosion Test - 5% salt spray for 7 days:	No corrosion
24 hrs at 100^{0}C (IP112) mild steel:	No stain
Copper:	No stain
Dn Factor:	30,000
Storage :	Store in a warm place

HEALTH & SAFETY

This product has been manufactured to the highest standards and when used for the purpose recommended is unlikely to present any significant health hazards. A Material Safety Data Sheet is available.

Indicated data are approximate values and are subject to the usual commercial fluctuations. All information correct at time of going to press to the best of our knowledge. This information may be subject to change without notification due to continual product research and development.

SAR LUBRICANTS (SQUIRE A. RADCLIFFE & SONS LTD)
Gill Bridge Oil Works, Lowlands Road, MIRFIELD,
West Yorkshire, WF14 8LU | Tel: +44 (0)1924 494371
Fax: +44 (0)1924 498940 | Email: enquiries@sarlubricants.co.uk
Registered In England: 05866783 VAT Registration No: 889171963

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