BEACON 325

Grease

Product Description

Exxon BEACON 325 is a high performance grease specifically formulated for the lubrication of precision equipment operating at moderate and low temperatures. It is made with a synthetic base oil of extremely low viscosity and low volatility plus a lithium soap. BEACON 325 is characterised by good mechanical stability, a high degree of resistance to water and extremely high oxidation stability. As its base oil viscosity is low and the viscosity index of the fluid is high, the grease has excellent low temperature properties including low starting and running torque at very cold temperatures and good pumpability.

BEACON 325 provides excellent service in a wide variety of small bearings and small, lightly loaded gears that operate over a wide temperature range. Its long lubrication life and excellent oxidation stability well suit it for use as a bearing lubricant in sealed-for-life units in automotive, aircraft and industrial applications. The recommended application temperature range for continuous operation for BEACON 325 is -50º C to120º C.

Features and Benefits

BEACON 325 is a member of the Exxon brand of lubricating products recognized for their high quality and reliability, as well as performance capabilities. As with other Exxon greases, this product is manufactured to the strictest quality standards. A key feature of BEACON 325 is its use of a synthetic fluid to provide optimum performance for low temperature precision applications. BEACON 325 offers the following quality features:

- Special synthetic base oil provides excellent low-torque and low temperature properties
- Excellent oxidation stability for extended grease life needed for filled for life applications
- Very good water resistance ensures proper lubrication even in the presence of incidental water contamination
- Low volatility base oil permits operation at moderate to high temperature without fluid evaporation

Applications

Application notes: BEACON 325 is formulated with an organic ester synthetic oil. This synthetic oil may cause a softening or swelling of certain plastics, elastomers, paints, or varnishes. How serious the softening or swelling tendency may be depends also on the temperature and the period of contact. Contact your local Exxon representative for further information on materials compatibility.

BEACON 325 provides excellent service in a wide variety of small bearings and lightly loaded gears that operate over a wide temperature range, including such applications as:

- Naval, marine, and aircraft instruments and control mechanisms
- Geared limit switches in Limitorque valve actuators
- Commercial and military electronic equipment
- Sealed for life motors, generators, and similar equipment in automotive, aviation and industrial applications

Typical Properties

	Beacon325
NLGI Grade	2
Thickener Type	Lithium
Color, Visual	Tan
Penetration, Worked, 25º C, ASTM D 217	285
Dropping Point, ºC, ASTM D 2265	180
Viscosity of Oil, ASTM D 445 cSt @ 40º C	12
Apparent Viscosity, ASTM D 1092	
@ 20sec-1 and -40º C, Poise	7,000
@ 50sec-1 and -40º C, Poise	3,500
Oil Separation, FTMS 791B321.3, 30 hrs @ 100º C, mass %	4
Corrosion Prevention, ASTM D 1743	Pass

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 Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.