

LITHIUM GREASE EP

NLGI 1, 2

PRODUCT DESCRIPTION

TOTACHI LITHIUM GREASE EP is a multipurpose grease for effective protection of highly loaded bearings, working in possible flooding conditions and increased operating temperatures. It is manufactured using lithium complex thickener, medium viscosity base stocks and Extreme Pressure (EP) anticorrosion additive package with synergetic effect. TOTACHI LITHIUM GREASE EP contains oxidation and corrosion inhibitors for robust protection of bearings working in high humidity and high temperatures. The product has distinctive blue color.

APPLICATIONS

- The grease is engineered for highly loaded wheel bearings of passenger cars and commercial vehicles, long haul trucks and buses, equipped with disc brake systems and which are subject to high temperatures and shock loads.
- The product is recommended for medium sized high speed ball and roller bearings and extended service antifriction bearings, used in construction and

industrial equipment, where a multipurpose EP grease increased water resistance is required.

- TOTACHI LITHIUM GREASE EP may be used as multipurpose grease for pivots, joints, axles, fifth wheels and other chassis components of vehicles.

CUSTOMER BENEFITS

- The product retains outstanding protection performance in increased humidity environments, provides excellent hydrolytic characteristics and resists water washout.
- TOTACHI LITHIUM GREASE EP provides extended life of bearings in high speed and high temperature operations.
- The product works well in a wide range of temperatures from -40°C to +177°C.

MEETS SPECIFICATIONS AND REQUIREMENTS OF:

- NLGI GC-LB

Before using this product make sure, it is consistent with OEM's recommendations for the equipment operating conditions and customer's maintenance practices.

TYPICAL TEST DATA

CHARACTERISTICS	ASTM	UNITS	VALUES	
			1	2
NLGI	D217	Category	1	2
Working penetration at 25°C	D217		320	280
Texture		Visually	Smooth, tacky	Smooth, tacky
Color		Visually	Blue	Blue
Four Ball tests:				
Welding point	D2596	kg	315	315
Timken OK Load Test, allowable load	D2509	lb	60	60
Base oil viscosity:				
at 40°C	D445	cSt	224	224
at 100°C	D445	cSt	17.4	17.4
Dropping point	D2265	°C [°F]	250(450)	260(500)
Water washout at 175°C	D1264	%	5.0	2.0
Water spray washout	D4049	%	-	Not more than 15
Corrosion protection test	D1743		Passed	Passed

STORAGE AND HANDLING GUIDELINES

- Avoid exposing products to direct sunlight.
- Cans, packed in cardboard boxes, must be stored in dry places. Avoid exposing products to moisture.
- It is highly recommended to store drums indoors on pallets and racks.
- If stored outdoors drums should be placed sidewise to avoid accumulation of moisture.

HEALTH, SAFETY AND ENVIRONMENT PROTECTION

Information on health, safety and environment protection is described in the product Safety Data Sheet (SDS). The SDS file contains details on potential hazards, precautions and first aid measures, as well as information on environmental impact and disposal of used products.

TOTACHI INDUSTRIAL CO. LTD. disclaims any liability in case the product is used with violation of these instructions and warnings or it is not used for its intended purpose. Before using product other than intended, consult your local TOTACHI® distributor.