

STAR GREASE EP

NLGI 1, 2

PRODUCT DESCRIPTION

TOTACHI STAR GREASE EP is a multipurpose grease, designed for heavy loaded bearings operating in high vibration and high shock loads. It is manufactured using lithium complex thickener and high viscosity base stocks with extreme pressure (EP) synergetic anticorrosive additive package. The product contains tackiness agents, as well as oxidation and corrosion inhibitors for robust protection of bearings working in adverse operating conditions in highly humid and dusty areas. TOTACHI STAR GREASE EP has distinctive red color.

APPLICATIONS

- The product is specially designed for heavy duty trucks and off-road applications, construction and agriculture equipment, where multipurpose grease with ability to perform in high pressure and shock loads adverse operating conditions is required.
- The product is recommended for medium speed ball and roller bearings, as well as antifriction bearings, joints with bushings made of nonferrous metals, metal "shaft-bushing" type joints and open gears, operating in extreme pressures in highly humid and dusty

environment.

- TOTACHI STAR GREASE EP suits perfectly for low speed highly loaded large, working in adverse environment, typical for mining operations.

CUSTOMER BENEFITS

- The product provides robust protection bearings, working with extreme pressure and shock loads.
- The product has fine structural and oxidative stability; it also excellently retains its performance characteristics in adverse conditions where water or dust ingress is typical.
- The product provides outstanding coating, thus protecting bearings from corrosion.
- The product retains its performance in wide temperature range from -26°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		310-340	265-295
Texture		Visually	Smooth, tacky	Smooth, tacky
Color		Visually	Red	Red
Four Ball tests:				
Welding point	D2596	kg	500	500
Wear scar	D2266	mm	0.5	0.5
Timken OK Load Test, allowable load	D2509	lb	80	80
Base oil viscosity:				
at 40°C	D445	cSt	451	451
at 100°C	D445	cSt	28.4	28.4
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 30	Not more than 10
Timken OK Load Test	D2509	lb	80	80
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.

intended purpose. Before using product other than intended, consult your local TOTACHI® distributor.

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