

# MOLY GREASE EP

## NLGI 1, 2

### PRODUCT DESCRIPTION

TOTACHI MOLY GREASE EP is antiscoring grease containing molybdenum disulfide for maximum protection of highly loaded bearings, operating in extreme pressures and shock loads. It is manufactured using lithium complex thickener, medium viscosity base stocks and Extreme Pressure (EP) additive package with synergetic effect. The product contains finely powdered graphite and molybdenum disulfide particles, as well as antioxidizing additives and corrosion inhibitors to provide outstanding protection in extreme operating conditions. Solid particles of molybdenum disulfide and graphite prevent moving parts contact, even if grease is squeezed out from grease point due to extreme pressure and extreme temperature. The grease has distinctive black color.

### APPLICATIONS

- The product is designed for effective wear protection of bearings and moving parts of vehicles, construction and agriculture applications, as well as industrial equipment, when antiscoring grease with graphite and molybdenum disulfide particles is recommended.

- The product is widely for low speed antifriction bearings, which operate in extreme pressure conditions.
- The product may be used for greasing joints like constant velocity joints, metal "shaft-bushing" type joints, different grease points of chassis and vehicles fifth wheels, open gear drives and rope and chain drives of construction and agriculture equipment.

### CUSTOMER BENEFITS

- The product provides guaranteed outstanding protection of bearings and moving joints, operating in extreme service conditions at extreme pressure and shock loads.
- The product has good oxidative stability and retention of its performance where water, dust ingress and other adverse conditions are typical.
- The product retains its performance in wide temperature range from -18°C to +125°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	
NLGI	D217	Category	1	2
Working penetration at 25°C	D217		320	285
Texture		Visually	Smooth, tacky	Smooth, tacky
Color		Visually	Black	Black
Four Ball tests: Welding point	D2596	kg	400	400
Timken OK Load Test, allowable load	D2509	lb	60	60
Scoring index	D2596	NA	65	65
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)

### **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.

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.

### **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.