

# EPNOC GREASE LT

## LOW-TEMPERATURE MULTIPURPOSE EXTREME PRESSURE GREASE

EPNOC GREASE LT is a low-temperature multipurpose extreme-pressure grease made from lithium soap, which as a thickening agent provides excellent shear stability, water resistance, and heat resistance. Its base oils are highly refined mineral oil as well as special synthetic oils that provide outstanding low-temperature performance, and it is blended with carefully selected antioxidants, extreme pressure agents, and other additives.

Since EPNOC GREASE LT contains no lead, it helps to solve your pollution control problems. Its extreme pressure agents have been chosen as well with antipollution measures in mind.

### ● SPECIAL FEATURES

1. The carefully selected base oils used in EPNOC GREASE LT provide outstanding temperature characteristics, so this grease can be used in a very wide temperature range, from  $-40^{\circ}\text{C}$  to  $110^{\circ}\text{C}$ .
2. This grease provides superb antiload performance.
3. It is especially effective for reducing torque at low temperatures.
4. It provides outstanding shear stability.
5. Pollution countermeasures were taken into careful consideration in its formulation.

### TYPICAL TEST DATA FOR EPNOC GREASE LT

		EPNOC LT1	EPNOC LT2
Thickening agent		lithium soap	lithium soap
Base oils			
Type		mineral oil & synthetic oil	mineral oil & synthetic oil
Viscosity ( $40^{\circ}\text{C}$ )	$\text{mm}^2/\text{s}$	44.3	44.3
( $100^{\circ}\text{C}$ )	$\text{mm}^2/\text{s}$	6.40	6.40
Viscosity index		90	90
Penetration			
(60 strokes)		310	274
(100,000 strokes)		347	335
Dropping point	$^{\circ}\text{C}$	195	195
Oil separation ( $100^{\circ}\text{C}$ , 24h)	mass%	7.1	3.5
Evaporation ( $99^{\circ}\text{C}$ , 22h)	mass%	1.2	1.2
Oxidation stability ( $99^{\circ}\text{C}$ , 100h)	MPa	0.0196	0.0196
Copper strip corrosion ( $100^{\circ}\text{C}$ , 24h)		no green or black marks	no green or black marks
ASTM rust prevention ( $52^{\circ}\text{C}$ , 48h)		1	1
Timken antiload	kg	14	14
High-speed four-ball test			
Weld load	N	2450	2450
Wear (1,400 rpm)	mm	0.62	0.62
Low-temperature torque ( $-40^{\circ}\text{C}$ )			
Starting torque/rotating torque	$\text{N}\cdot\text{m}$	0.45/0.08	0.59/0.14



## Handling Precautions

▼ Follow these precautions when handling this product.

<b>! CAUTION</b>  <b>Handling Precautions</b>	<ul style="list-style-type: none"><li>● <u>Inflammation can occur if grease enters the eyes.</u> When handling this grease, wear <u>protective goggles</u> or take other measures to <u>prevent eye contact</u>.</li><li>● <u>Inflammation can occur if grease comes into contact with skin.</u> When handling this grease, wear <u>protective gloves</u> or take other measures to <u>prevent skin contact</u>.</li><li>● Do not eat this grease. (Swallowing this grease can cause diarrhea and nausea.)</li><li>● When opening the container, <u>wear protective gloves</u> in order to avoid cutting your hands.</li><li>● <u>Keep out of reach of children.</u></li><li>● Read the Material Safety Data Sheet (MSDS) for this product before using the product. Obtain the Material Safety Data Sheet from where you purchased the product.</li></ul>
<b>First Aid</b>	<ul style="list-style-type: none"><li>● In case of eye contact, rinse eyes thoroughly with clean water and consult with a physician.</li><li>● In case of skin contact, wash skin thoroughly with soap and water.</li><li>● If this grease is swallowed, do not induce vomiting. Consult with a physician immediately.</li></ul>
<b>Disposal of Used Grease and Containers</b>	<ul style="list-style-type: none"><li>● Do not apply pressure to empty containers. The containers may burst if pressure is applied.</li><li>● Do not weld, heat, drill, or cut the containers. The remaining grease may ignite and the containers may explode.</li><li>● Follow all applicable laws and regulations when disposing of used grease or containers. If you are unsure of the proper disposal methods, consult first with the seller of the grease.</li></ul>
<b>Storage Method</b>	Seal the container tightly after use in order to prevent dirt, moisture, etc., from entering the grease. Store in a dark location. Avoid direct sunlight.