

GRS-7004-2007E

# EPNOC GREASE LT

## LOW-TEMPERATURE MULTIPURPOSE EXTREME PRESSURE GREASE

EPNOC GREASE LT is a low-temperature multipurpose extreme-pressure grease made from lithium soap as a thickening agent, which 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. I

### ● 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°C to 120°C.
2. This grease provides superb load carrying capacity.
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.

### ● CONTAINERS

180-kg drums (Grade 1), 16-kg pail cans,  
2.5-kg cans (6 pcs.) (Grade 2)

### ● TYPICAL TEST DATA FOR EPNOC GREASE LT

NLGI grade		1	2
Thickening agent		lithium soap	lithium soap
Base oils			
Type		mineral oil & synthetic oil	mineral oil & synthetic oil
Viscosity (40°C)	mm <sup>2</sup> /s	44.3	44.3
(100°C)	mm <sup>2</sup> /s	6.40	6.40
Viscosity index		90	90
Penetration			
(60 strokes)		310	274
(100,000 strokes)		347	335
Dropping point	°C	195	195
Oil separation (100°C, 24h)	mass%	7.1	3.5
Evaporation (99°C, 22h)	mass%	1.2	1.2
Oxidation stability (99°C, 100h)	MPa	0.0196	0.0196
Copper strip corrosion (100°C, 24h)		no green or black marks	no green or black marks
ASTM rust prevention (52°C, 48h)		1	1
Timken test OK load	kg	14	14
High-speed four-ball test			
Weld load	N	2450	2450
Wear (1,200 min <sup>-1</sup> , 392N, RT, 60min)	mm	0.62	0.62
Low-temperature torque (-40°C)			
Starting torque/rotating torque	N·m	0.45/0.08	0.59/0.14
Approx. operating temperature range	°C	-40 to 120	

Note: The typical properties may be changed without notice. (June 2002)



## Handling Precautions

▼ Follow these precautions when handling this product.

<b>Composition :</b>	Base Oil, Thickener, Additives
<b>Precautionary pictograms:</b>	Not applicable
<b>Signal word:</b>	Not applicable
<b>Hazard Statement:</b>	Not applicable
<b>Precautionary Statements:</b>	<ul style="list-style-type: none"><li>• Do not handle until all safety precautions have been read and understood.</li><li>• Wear protective gloves/protective clothing/eye protection/face protection.</li><li>• Do not allow the eyes to become exposed to the product. Do not swallow the product.</li><li>• Wash hands thoroughly after handling.</li><li>• Do not eat, drink or smoke when using this product.</li></ul>
<b>Prevention</b>	
<b>Response</b>	<ul style="list-style-type: none"><li>• IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.</li><li>• IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</li><li>• If the eyes are exposed to the product: Rinse the eyes with plenty of running water and immediately contact a physician.</li><li>• IF ON SKIN: Wash with plenty of soap and water.</li></ul>
<b>Storage</b>	<ul style="list-style-type: none"><li>• The product must be stored in a cool, well-ventilated location where it will not be exposed to direct sunlight.</li><li>• Containers that have been opened must be tightly sealed.</li></ul>
<b>Disposal</b>	<ul style="list-style-type: none"><li>• Dispose of contents/container in accordance with local/regional/national/international regulations.</li><li>• If there are any doubts about proper methods of handling the product, contact the point of purchase before proceeding with usage.</li></ul>