

GRS-7004-2507E

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.

● 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 drum (Grade 1), 16-kg pail can

● TYPICAL TEST DATA FOR EPNOC GREASE LT

NLGI grade		1	2
Thickening agent		lithium soap	lithium soap
Base oils		mineral oil & synthetic oil	mineral oil & synthetic oil
Type			
Viscosity (40°C)	mm ² /s	44.3	44.3
(100°C)	mm ² /s	6.40	6.40
Viscosity index		90	90
Penetration			
(60 strokes)		326	286
(100,000 strokes)		364	330
Dropping point	°C	196	196
Oil separation (100°C, 24h)	mass%	3.6	1.6
Evaporation (99°C, 22h)	mass%	0.61	0.62
Oxidation stability (99°C, 100h)	kPa	35	35
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	N	177.9	177.9
High-speed four-ball test			
Weld load	N	2450	2450
Wear (1,200 min ⁻¹ , 392N, RT, 60min)	mm	0.62	0.62
Low-temperature torque (-40°C)	mN·m		
Starting torque/rotating torque		340/69	414/96
Approx. operating temperature range	°C	-40 to 120	

Note: The typical properties may be changed without notice. (July 2025)



Handling Precautions

▼ Follow these precautions when handling this product.

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