

## HI-LO SYNTHETIC MULTI-PURPOSE GREASE

**PRODUCT CODE: 5404**

### DESCRIPTION

49 NORTH® HI-LO SYNTHETIC MULTI-PURPOSE GREASE is a multi-purpose semi synthetic grease providing extended long life service at continuously high operating temperatures and extreme pressure operations. 49 NORTH® HI-LO SYNTHETIC MULTI-PURPOSE GREASE uses a lithium complex soap base thickener formulated with a blend of mineral and synthetic base oils and a complex additive package.

### QUALITIES

49 NORTH® HI-LO SYNTHETIC MULTI-PURPOSE GREASE possesses extreme pressure and anti-wear characteristics, as well as anti-corrosion and anti-oxidant additives which contribute to the extended life performance. 49 NORTH® HI-LO SYNTHETIC MULTI-PURPOSE GREASE is engineered to have enhanced performance at higher speeds, heavy loads, and high temperatures, and includes a dropping point over +450°F (232°C).

### APPLICATIONS

49 NORTH® HI-LO SYNTHETIC MULTI-PURPOSE GREASE is recommended for high speed bearings at normal temperatures and medium speed bearings in colder climates. 49 NORTH® HI-LO SYNTHETIC MULTI-PURPOSE GREASE is effective in applications such as kiln car, wheel bearings, roller bearings, oven door hinges, pellet mill bearings, slag bed shaker bearings, hot conveyor bearings and steam control valves and many other industrial, construction, mining, and automotive applications.

### FEATURES & BENEFITS

Superior oxidation resistance and rust protection.

Outstanding extreme pressure protection.

Excellent water resistance.

Suitable for high speed bearings running under different operating conditions. Works under extremely low temperatures as the specialized additives protect equipment from chemical oxidation, rust, and corrosion, and provide long service life.

Extends equipment life under corrosive environments.

Provides effective wear protection for ball joints, drive shafts, and other parts subjected to high pressure and shock loading.

Works effectively for extended periods of time under water ingress and in dusty, harsh environments.

## CONTACT

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### **TYPICAL PROPERTIES**

NLGI Grade	2
Product Code	5404
Thickener Type	Lithium Complex
Texture	Smooth
Color, Observed	Blue
Worked 60 Penetration (ASTM D217)	265-295
Change in Penetration after 100,000 strokes	30 max
Dropping Point (ASTM D2265) °F (°C)	450 min (232)
Timken OK Load, lbs (ASTM D2509)	40 lbs
4-Ball EP load, kg / LWI (ASTM D2596)	315 / 50
Water Washout, 175F (80C) (ASTM D1264)	15% max
Approximate Temperature Range °F (°C)	-49 to 450 (-45 to 232)
Base Oil Viscosity @ 40 C, cSt	45
Base Oil Viscosity @ 100 C, cSt	6
Base Oil Viscosity @ 100 F, SUS	50
Base Oil Viscosity @ 210 F, SUS	6
Soap %	8

The typical properties listed reflect the general characteristics of the product, and are not manufacturing specifications. Normal batch-to-batch variations should be expected.

### **HEALTH & SAFETY**

A complete Safety Data Sheet (SDS) is available upon request. Used oil contains by-products which may be harmful.

### **PACKAGE SIZES**

Available in 181kg Drums, 55kg Kegs, 15kg pails, 50 tube cases, 10 tube cases

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