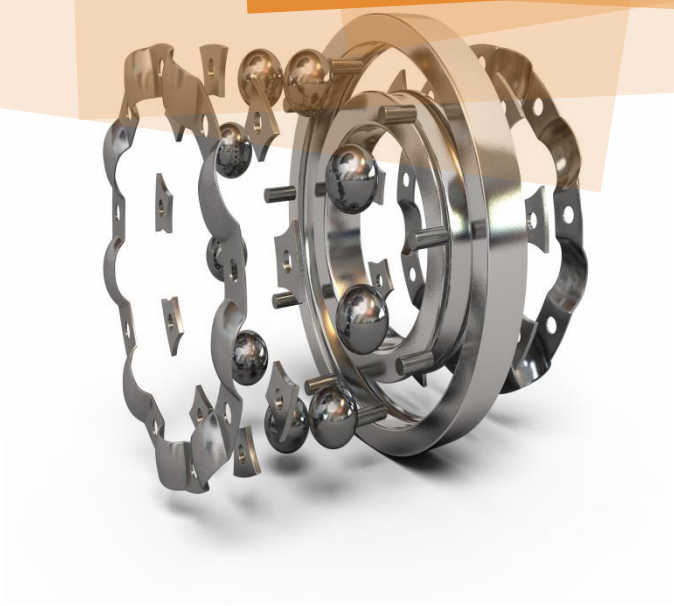
K Nate

Premium Multi-purpose calcium sulphonate grease for Extreme and high temperatures

A grease that protects against high loads, high temperatures, corrosion and water washout



- Exceptionally high performance under extreme pressure
- Remains in place at high temperatures
- Has a good resistance to oxidation, rust and corrosion
- Excellent water resistance
- Available in NLGI 2, 1, 0, and 00 grades

PROBLEM	SOLUTION
Heavy loads	K NATE remains in place, even when subjected to extreme pressure. K NATE has a 4 ball weld load test of > 800kg
High operating temperatures	K NATE provides effective lubrication at constant temperatures of -28ºC to +200ºC and intermittent +230ºC
Poor water resistant grease	K NATE gives superior performance and excellent water washout resistance
Premature wear and corrosion on materials	K NATE minimises the abrasive wear caused by contamination and protects against corrosion
Required for use in food processing facilities	K NATE is NSF H2 approved for use in and around food processing areas

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ADDITIVES	BENEFITS
Superior quality base oil	Superior quality. Highly refined base oil that has a good resistance to oxidation, hardening and to high temperatures for improved lubrication
Thickener	The calcium Sulphonate offers superior resistance to water, even when immersed – heavy than water. Remains in place even under extreme pressure and at high temperatures
Cohesive/adhesive polymers, adhesive agents	The polymers make it possible for K NATE to remain in place, even when subjected to extreme pressure. Prevents loss of grease, ensuring lubrication for equipment
Anti-corrosion agents	Blocks corrosive elements such as acids, water and steam. Forms a protective layer on equipment to prevent chemical wear
Extreme pressure (EP) agents	The extreme pressure agents, activated by heat, prevent sintering
Anti-wear and friction reduction additives	Prevents metals making contact (wear between surfaces), vibration, and 'chatter'. Keeps equipment lubricated to prevent loss of metal, costly stop periods and part replacement (wear).
Antioxidants	Prevents grease from breaking down. Provides chemical protection against oxidation effects from oxygen and water.
Shock absorbers	Deadens impacts to minimise stresses, vibrations and 'chatter' that occur under extreme pressure and dry starts

TECHNICAL SPECIFICATIONS

Colour	Blue/green
NLGI grade	#2
TIMKEN OK load	60lbs
Drop point	300ºC
Salt spray test	7 mil thickness > 5000 hours 3 mil thickness 3500 hours
4 ball weld load	800kg
Temperature range	-28ºC to +200ºC (continuous) +230ºC (intermittent)
DN rotation factor	400.000

APPLICATION AREAS

- Construction
- Agriculture
- Transport, automobile
- Municipalities
- Maritime transport
- Wood industry
- Utilities
- Mechanical fabrication
- Mining
- Heavy industry
- Public works
- Chemical plants
- Paper plants
- Manufacturing

DIRECTIONS

Where there is a grease fitting, pump grease into the fitting until all of the old grease is forced out of the bearing. In other areas, clean old grease off the surface before applying the product.

NCH lubricants

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