PREMALUBE XTREME™ HEAT SHIELD

Extreme Temperature Grease

FEATURES

- PREMALUBE XTREME HEAT SHIELD CONTAINS A TOTAL ADDITIVE PACKAGE FOR OUTSTANDING LONG-TERM PERFORMANCE
- THE ONLY PATENTED GREASE SPECIFICALLY FORMULATED TO PROTECT EQUIPMENT EXPOSED TO EXTREMELY HIGH TEMPERATURES
- PROVIDES SUPERIOR PROTECTION FOR EQUIPMENT AGAINST EXTREME HEAT, CONTAMINANTS AND HEAVY LOADS
- PRODUCT OF CHOICE FOR EXTREME TEMPERATURE APPLICATIONS

DESCRIPTION

- Extreme Temperature Performance up to 1000°C intermittent with monitored lubrication intervals
- Patented* Calcium Sulfonate Grease with High Moly and Graphite Content
- Prolongs Bearing and Equipment Life
- Extends Lubrication Intervals by Up to 10 Times
- Excellent High Temperature Performance - Protects up to 1000°C Intermittently
- Hand-kneadable – no guesswork, very convenient
- At Temperatures Above 320°C the Premium Base Oil Evaporates Cleanly Leaving Solid Lubricants Behind to Protect Equipment

APPLICATION

- Brick Plants
- Steel Mills
- Asphalt Plants
- Mining
- Glass Manufacturing
- Forges and foundries
- Kilns, Furnaces and Ovens

AREAS OF USE

- Councils
- Machine Shops
- Garages
- Construction
- Utilities
- Schools
- Plumbing
- Piping
- Industrial plants
- Rail yards, dockyards

For more Technical Data, please refer to Safety Data Sheet of the Product.

NCH AUSTRALIA PTY. LTD. (ABN 19 000 609 316)
5-9 Ralph Street, Alexandria, NSW 2015
T +61 2 9669 0260 **F** +61 2 9693 1562 **www.nchaustralia.com**
©NCH Corporation 2016

TECHNICAL DATA

PREMIUM GRADE BASE OIL	Superior grade, highly refined base oil resists oxidation, hardening and high temperature breakdown to maintain better lubricity.
CALCIUM SULFONATE BASE	Withstands high heat and provides additional extreme pressure protection under heavy loads. Extremely water resistant, heavier than water to resist washouts even in submerged environments.
ADHESIVE AND COHESIVE POLYMERS, TACKINESS AGENTS	Highly-elastic polymers hold grease together and in place to reduce squeeze out, channeling and sling-off. Prevents loss of lubricant that leaves bearings “starved”.
RUST AND CORROSION INHIBITORS	Blocks out corrosive elements such as acids, water, condensate and steam by forming a protective barrier on equipment surfaces to prevent chemical wear.
EXTREME PRESSURE (EP) AGENTS	A heat seeking additive that prevents the cold welding that can occur under heavy loads. Minimizes wear while helping equipment run cooler.
ANTI-WEAR AND FRICTION REDUCING ADDITIVES	Prevents metal-to-metal contact, two-surface wear, vibration and chatter. Keeps high friction surfaces, such as bearings, properly lubricated to prevent metal loss, downtime, and replacement expenses.
OXIDATION INHIBITORS	Extends lubricant service life by retarding the oxidation process. Provides a chemical shield that prevents the oxidizing effects of oxygen and water.
SHOCK LOAD REDUCERS	Cushions impact to minimize the stress, vibration and chatter that can occur under heavy loads and during start-stop operations.
MOLYBDENUM DISULFIDE	Plates metal surface asperities completely with a premium lubricant coating that withstands high pressures, heavy loads and shear conditions. Reduces abrasive wear, too.
GRAPHITE	High concentration offers extreme temperature protection and stability while guarding against contaminants, heavy loads,and water washout.

IDEAL FOR USE ON: Extreme heat applications including brick plants kiln cars, furnaces, ovens, steel mills, asphalt plants, mining, glass manufacturing, forges and foundries, etc.

PHYSICAL PROPERTIES	PREMALUBE XTREME HEAT SHIELD
PENETRATION ASTM D 217	330
MULTISTROKE PENETRATION ASTM D 217	335
FOUR-BALL INDEX ASTM D 2596	101
FOUR-BALL (WELD) ASTM D 2596	1000+
FOUR-BALL (WEAR SCAR) ASTM D 2596	0.341
TIMKEN METHOD ASTM D 2509	70
RUST TEST ASTM D 1743	Pass
COPPER CORROSION ASTM D 130	1B
LOW TEMPERATURE LIMIT ºC	-6
HIGH TEMPERATURE LIMIT ºC	1093
BASE OIL VISCOSITY @ 40 ºC	113
BASE OIL VISCOSITY @ 100 ºC	12.1
BASE OIL VISCOSITY	96

NCH AUSTRALIA PTY. LTD. (ABN 19 000 609 316)
5-9 Ralph Street, Alexandria, NSW 2015
T +61 2 9669 0260 **F** +61 2 9693 1562 **www.nchaustralia.com**
©NCH Corporation 2016