



Extreme Heat Resistant Grease

- *Special diester synthetics ensure unmatched resistance to heat.*
- *Fine fiber texture enhancers provide outstanding stability.*
- *Superior formulation gives exceptional resistance to water & wash-out.*

TRUST OMEGA TO Save Money Enhance Performance Extend Service Life



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KOREA

OMEGA ULTIMATE LUBRICANTS

SPECIAL FEATURES

Omega 33 Extreme Heat Resistant Grease is the "essential lubricant" for equipment operating at high-temperature and speed for extended periods.

- **Omega 33** is a special diester synthetic compound with an exceptionally high flashpoint for unmatched resistance to heat.
- **Omega 33** consists of fine fiber texture enhancers to ensure the lubricant remains static during severe temperature operation – regardless of heat fluctuations.
- **Omega 33** is quality formulated to provide exceptional resistance to water and wash-out to stay on the job longer.

OUTSTANDING PROPERTIES

Omega 33 is the extreme heat resistant grease that:

- Provides high-performance efficiency up to 600°F (315°C) and beyond for short periods of exposure.
- Has a high Viscosity Index (VI) synthetic base oil.
- Offers high shear strength and exceptional "stay put" ability.
- Contains an indestructible "Thermo Nutrient" carrier.
- Has an in-built affinity for metal parts such as copper, steel, iron, etc.

USE FOR

Omega 33 is primarily a high temperature resistant lubricant engineered for high-temperature exposure conditions.

Use **Omega 33** in:

- Kilns and Surface Baking Operations • Food Processing • Steam Pumps • Babbitt Bearings • Tooling Equipment • Foundry Machines and Equipment • Autoclaves • Chemical Processing • Laboratory Work • Surgical Sterilization Equipment • and more ...



Omega
The Ultimate Lubricant

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The information contained in this publication is to the best of our knowledge and accurate at the time of issue in October, 2016

DESCRIPTION:

Omega 33 is a special diester synthetic compound with an exceptionally high flashpoint. Additives include the unique "Megalite" family of supplements, ensuring extreme temperature resistance up to 315°C (600°F) - and for short periods of exposure. Special viscosity improvers using hybridic polymers have been developed to extend the service life of this lubricant.

Omega 33 is a revolutionary lubricant in that it is potentially the first lubricant to utilize the capillary system of film formation. This means that the lubricant remains stable at all times - irregardless of temperature fluctuations, which has been the major obstacle with all ordinary greases. The high temperature resistance of Omega 33 is nearly double that of ordinary greases.

RELIABILITY:

Omega 33 stays in position after application. Its unique design causes it to form an outer heat-resistant coating while the inner lubricant continues to perform under extreme heat conditions.

APPLICATIONS:

Omega 33 is primarily a high temperature-resistant lubricant engineered for high temperature exposure conditions. Kilns and surface baking operations, food processing, steam pumps, babbitt bearings, tooling equipment, foundry machines and equipment, autoclaves, chemical processing, laboratory work, surgical sterilization equipment - there is almost no extreme temperature condition that Omega 33 cannot handle.

SPECIAL TEXTURE IMPROVERS:

Omega 33 consists of fine fibre texture improvers which come from a breakaway substance called "carbonitic black". This ensures that the texture remains static during severe temperature operations by encapsulation in an unbreakable, impenetrable outer skin.

EQUIPMENT LASTS LONGER:

Using Omega 33, high temperature equipment usually lasts considerably longer, and runs for substantially longer periods without maintenance.

SUPPLEMENTS:

Foam Inhibitors	Yes
Calcinated Hydro-Carbons	Yes
Carbonitic Black	Yes
Climatic Adjustors	Yes
Extreme Pressure Properties	Yes
Molybdenum Disulphide	Yes
Nuclear Reactor Stability	Yes
Oxidation Resistors	Yes
Mechanical Stability Improvers	Yes
Shear Stability Improvers	Yes
Rust Inhibitors	Yes

TYPICAL DATA:

TEST	ASTM TEST METHOD	TEST RESULT
Base Fluid: -		
Specific Gravity @ 15°C (60°F)	D-1298	0.9365
Viscosity @ 100°F SUS	D-88	3000-3500
Viscosity @ 210°F, SUS	D-88	250
Viscosity Index	D2270	140
Flash Point, COC, °C (°F)	D-92	316(600)
Dropping Point, °C (°F)	D-2265	None
Worked Penetration @ 77°F, 150 gm cone	D-217	275-305
Timken OK Load, Lbs. min.	D-2509	40
Rust Prevention	D-1743	# 1 Rating
Oxidation Stability, p.s.i. loss in 100 hours	D-942	5
Water Washout,% Loss after 2 hrs @ 175°F	D-1264	4
Roll Stability, Point Change	D-1831	10
Lubricant Stability	-	# 1 Rating
NLGI Grade	-	# 2
Operating Temperature Range, °C (°F)	-	-20 to 232 (-1 to 450)
Color		Black

The characteristics given above are typical of current production only and slight batch to batch variations should be expected.