

IS YOUR GREASE MADE TO TAKE ON THE EXTREMES?

Heavy load capability

Heavy duty performance

Extreme temperature tolerance

WHAT'S YOUR INDUSTRY?

PRESENTING MOBILITH SHC™ 460

Manufacturing

Mining

Steel

Keeps you covered even at 150°C

Gets going even at -40°C

Powerfully protects in wet conditions

Long relubrication intervals

Long bearing and equipment life

Reduced energy consumption

POTENTIAL MOBILITH SHC™ 460 BENEFITS:

DID YOU KNOW? Mobilith SHC™ 460 can potentially reduce bearing replacement by 94%

TAKES THE HEAT SO YOU DON'T HAVE TO.

MOBILITH SHC™ 460

askforthe grease.com



# Mobilith SHC™ 460

**Mobil Grease™**

Performance by ExxonMobil

## Mobilith SHC™ 460

Premium greases for a wide variety of extreme-temperature applications

### FEATURES



Heavy duty performance



Heavy load capability



Extreme temperature tolerance

### ADVANTAGES



Wide application across temperature ranges



Extended service life with longer regrease intervals



Potentially improved mechanical life



Excellent thermal stability and oxidation resistance

Mobilith SHC™ 460 combines the outstanding aspects of synthetic base fluids and a high quality lithium complex thickener. This makes it the ideal choice for a wide variety of extreme-temperature applications.



### DID YOU KNOW?

Mobilith SHC™ 460 can potentially reduce operating temperature by

**10°C**

#### Lithium Complex

AiX	CaX	CaS	Li12	LiX	PU	B/C
Incompatible; Avoid mixing	Moderately compatible; Test before mixing	Compatible	<p>Glossary: AiX – Aluminum Complex CaX – Calcium Complex CaS – Calcium Sulfonate</p> <p>Li12 – Lithium 12-Hydroxy LiX – Lithium Complex B/C – Bentonite/Clay PU – Polyurea</p>			

Generally ExxonMobil does not recommend changing thickener technology when replacing greases. It is always recommended to thoroughly remove and clean out any old grease prior to converting to another grease.

NLGI GRADE

1.5

BASE OIL VISCOSITY @ 40°C

460

APPEARANCE

Red



Energy lives here™

## Results that speak for themselves.

Mobilith SHC™ 460 helps de-icing products manufacturer extend bearing life by 5 years.



### Situation

An Ohio-based de-icing product manufacturer achieved 32 years of service on its production hoist bearings. These double row, spherical roller bearings performed exceptionally well, operating far beyond their planned service period. However, after 32 years, maintenance personnel began observing irregular spikes in operating vibration levels. Hoping to further extend the components' performance lifespan to the next planned outage, the company approached ExxonMobil engineers to determine a lubricant solution capable of preventing equipment failure.

### Benefit

Since making the switch to Mobilith SHC™ 460 synthetic bearing grease, the company has reported reduced vibration on the hoist bearings and has already seen service life extended by another five years, bringing performance lifespan to 37 years. The company estimated its total cost of ownership benefits at US \$293,880, based on avoided replacement parts, related maintenance and increased plant productivity.

### Key highlights

- Reduced hoist bearing vibration
- Performance lifespan of the machine increased by 5 years
- Reduction in TCO worth US \$293,880

ANNUAL SAVINGS OF  
**US \$293,880**

To know more visit [mobil.com/industrial](http://mobil.com/industrial)

This Proof of Performance is based on the experience of a single customer. Actual results can vary depending upon the type of equipment used and its maintenance, operating conditions and environment, and any prior lubricant used. Visit [mobil.com/industrial](http://mobil.com/industrial) to learn how certain Mobil-branded lubricants may provide benefits to help reduce environmental impact. Actual benefits will depend upon product selected, operating conditions and applications. © 2017 ExxonMobil. All trademarks used herein are trademarks or registered trademarks of Exxon Mobil Corporation or one of its subsidiaries.

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### DID YOU KNOW?

Mobilith SHC™ 460 can potentially reduce bearing replacement by

# 94%

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APPEARANCE

# Red



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## Results that speak for themselves.

Mobilith SHC™ 460 helps extend bearing life, saving more than US \$66,000 annually.



### Situation

Minera Sabinas, a Mexican mining company, operates machinery equipped with SKF roller bearings throughout its plant. Lubricated with a mineral-based grease, an average of eight roller bearings required replacement each month at a cost of US \$774 each, including parts and labor. In an effort to reduce costs and increase equipment availability, the company approached ExxonMobil engineers for a lubricant solution capable of enhancing bearing life.

### Benefit

The company reported a reduction in the number of bearing replacements from 96 to 6 per year and lower bearing operating temperatures by as much as 10° Celsius. Together, these benefits have helped extend bearing life, increase equipment availability, maximize productivity and reduce labor costs, potentially resulting in company-estimated savings of more than US \$66,690 per year.

### Key highlights

- Reduction in bearing replacements from 96 to 6 per year
- Lower operating temperature by 10°C
- Maximized productivity
- Reduced labor costs

ANNUAL SAVINGS OF  
**US \$66,690**

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