



**Mobil** SHC™

## Mobilith SHC™ Series

### Premium performance multipurpose greases



#### **Proven performance in a wide range of applications.**

Mobilith SHC greases are high-performance products scientifically engineered to meet or exceed the demanding requirements for severe applications at extreme temperatures. The balanced formulation profile of the Mobilith SHC Series makes it the compelling choice of grease for the lubrication of a wide variety of machinery and components.

#### **Rely on Mobilith SHC greases to help increase productivity potential.**

Mobilith SHC greases combine the unique features of synthesized hydrocarbon-based fluids with those of an advanced lithium-complex thickener, which contribute to excellent adhesion, structural stability, and resistance to water. A carefully selected proprietary additive system provides outstanding features, such as excellent wear protection, and rust and corrosion inhibition. The low internal friction and high natural viscosity

index of the basefluids offer the potential for improved mechanical efficiency, low starting and running torque, and excellent low-temperature pumpability. Potential benefits include enhanced bearing life, wide temperature range of application, and longer grease life compared to our conventional greases — with the overall aim of helping to reduce maintenance costs and improve profitability.

#### **Preferred by equipment builders worldwide.**

The Mobil SHC™ Series of lubricants is recognized and appreciated for innovation and outstanding technical performance around the world. A major factor in the development of Mobil-branded industrial products is close contact with equipment builders to ensure that our products are designed to provide exceptional performance in continually evolving industrial equipment designs. The excellence of Mobilith SHC greases is recognized by over 370 builders of critical industrial equipment, who approve or endorse their use.

## High-Performance Benefits

#### **Wide application temperature range**

Easy equipment start-up down to -40°C (-40°F) and excellent protection up to 150°C (302°F).

#### **Excellent high-temperature oxidation resistance**

Helps to maximize relubrication intervals and improve bearing life compared to our conventional greases in high-temperature applications.

#### **Outstanding structural stability in the presence of water**

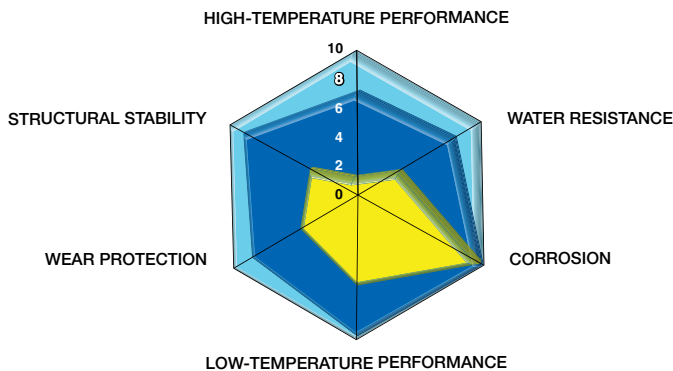
Retains excellent performance in hostile aqueous environments.

#### **Excellent protection against rust, corrosion, and wear**

Can help reduce downtime and maintenance costs for potentially higher productivity.

# Mobilith SHC™ Series — Performance

## Maximum performance



■ TYPICAL LITHIUM 12-OH MINERAL OIL GREASE ■ MOBILITH SHC ■ THEORETICAL BEST IN CLASS

Mobilith SHC grease shows significantly higher performance compared with our conventional mineral oil-based grease.

## Mobilith SHC™ 460 Helps Mining Company Extend Bearing Life, Saving Over US \$66,000 Annually

**SKF Roller Bearings**  
**Minera Sabinas S.A. de C.V.**  
**Sombrerete, Zacatecas, México**

### Situation

When operating with a mineral-based lubricant, Minera Sabinas replaced an average of eight roller bearings per month, totaling 96 replacement bearings annually at an average cost per bearing of \$744, including component cost and labor.

### Solution

ExxonMobil engineers recommended applying Mobilith SHC 460 high-performance synthetic grease plant-wide to roller bearings operating at medium to low speeds.

### Result

After switching to Mobilith SHC 460, the company reports that the replacement of roller bearings decreased from 96 to six bearings per year and operational temperatures dropped approximately 50°F (10°C).

### Benefits

Through increased equipment availability, reduced labor and lower operational temperatures, Minera Sabinas reported achieving approximate savings of US \$66,960 annually while maximizing productivity.

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.

	DIN 51825:2004-06	DIN 51826:2006-01	Color	NLGI Grade	Viscosity Grade	Operation Temperature °C		Mechanical Performance		General Applications
						Minimum*	Maximum	Load	Speed	
Mobilith SHC™ 100	KPHC2N-40	—	red	2	100	-40	150		Electric motor bearings	
Mobilith SHC™ 220	KPHC2N-30	—	red	2	220	-30	150		Multiservice industrial and automotive applications	
Mobilith SHC™ 221	—	—	Light tan	1	220	-40	150		Multiservice industrial and automotive applications in centralized grease systems	
Mobilith SHC™ 460	KPHC1-2N-40	—	red	1.5	460	-40	150		Multiservice heavy-duty industrial applications	
Mobilith SHC™ 007	—	GPHC00K-30	red	00	460	-50	150		Enclosed gearboxes	
Mobilith SHC™ 1500	KPHC1-2N-30	—	red	1.5	1500	-30	150		Very heavy-duty industrial applications	
Mobilith SHC™ 1000 Special	KPFHC2N-30	—	grey/black	2	1000	-30	150		Contains solid lubricants supporting very low speed, heavily loaded bearings operating in extreme heavy-duty boundary conditions	

\*Low-temperature claims based on ASTM D 1478 results vs. maximum limits of 10,000/1000 gcm at start-up and 1 hour respectively.

**For more information on Mobilith SHC™ Series greases and other Mobil-branded industrial lubricants and services, please contact your local company representative or visit [mobilindustrial.com](http://mobilindustrial.com).**

### Health and Safety.

Based on available information, this product is not expected to produce adverse effects on health when used for the applications referred to above and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contact office or via the Internet. This product should not be used for purposes other than the applications referred to above. If disposing of used product, take care to protect the environment.

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