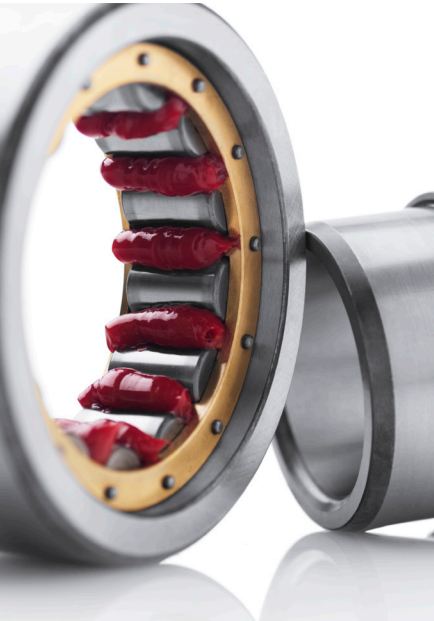




Mobilith SHC Series Supreme-performance multipurpose greases



Proven performance in a wide range of applications.

Mobilith SHC greases are high-performance products scientifically engineered to 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 for increased productivity.

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. Benefits include enhanced bearing life, wide temperature range of application, and longer grease life compared to conventional oils — 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's 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 and excellent protection up to 150°C.

Excellent high-temperature oxidation resistance

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

Outstanding structural stability in the presence of water

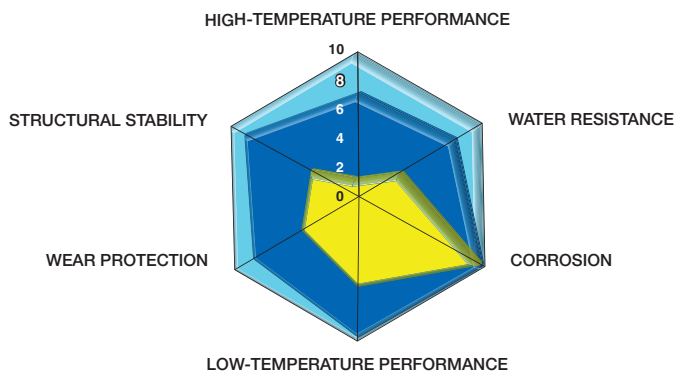
Retains excellent performance in hostile aqueous environments.

Excellent protection against rust, corrosion, and wear

Reduces 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 shows significantly higher performance compared with a conventional mineral oil-based grease.

Mobilith SHC 460 extends regreasing interval and bearing life

Tunnel Boring Machine Hong Kong

Objective

To enhance the productivity of a tunnel boring machine being used to bore a 7km long, 3.5m diameter tunnel. The machine was experiencing premature cutter head bearing failures due to unexpectedly adverse geological conditions. This also led to excessive regreasing frequency.

Solution

In order to meet the project deadline, extend bearing life, and reduce excessive regreasing, a switch from mineral grease to Mobilith SHC 460 was made.

Result

Regreasing interval was extended by an average of 80 percent and the bearing life was extended three times. This greatly reduced downtime and spare part cost.

Benefits

US\$589,460 has been saved.

	DIN 51825	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-40	red	2	220	-40	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	-30	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	-20	150		Very heavy-duty industrial applications	
Mobilith SHC 1000 Special	KPFHC2N-30	grey/black	2	1000	-20	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 and other Mobil industrial lubricants and services, please contact your local company representative or visit www.mobilindustrial.com.