

# Mobil SHC™ Grease 68 IPC

High Performance Synthetic Grease

## Key Benefits



Excellent bearing protection in rotor blade bearings that are prone to fretting and false brinelling



Low distribution pressures and bearing torque at extreme low temperatures



Excellent rust and corrosion protection provides enhance performance in wet conditions for reduced downtime



Longer grease intervals and improved bearing life provided by fully synthetic base oil

Mobil SHC Grease 68 IPC is a high performance synthetic lithium complex grease specially formulated for applications that are prone to fretting and false brinelling, such as wind turbine Individual Pitch Control (IPC) rotor blade bearings. Balanced additive chemistry providing excellent wear protection and load carrying capacities also makes it well suited for automotive applications.

## Product applications:

Wind Turbines - Mobil SHC Grease 68 IPC is specially designed to exceed the demanding requirements of wind turbine yaw and pitch bearings that do not complete full rotations in severe conditions. Such systems can be prone to inadequate lubrication due to difficulty in flow of lubricant back into contact zone.



# -50°C

Excellent performance for centralized grease systems down to -50°C

# Mobil SHC™ Grease 68 IPC

Typical Properties*	Method	Mobil SHC Grease 68 IPC
NLGI Grade		1.5
Color	Visual	Beige
Viscosity of oil, 40°C, cSt	ASTM D445	68
FE9 @ 140°C, hr	DIN 51821	167
Low Temperature Rating °C	DIN 51805	-50
Corrosion Prevention	ASTM D1743	Pass
Oil Separation, 168 hr @40°C, wt%	IP 121	6.45

## Specifications:

Mobil SHC Grease 68 IPC meets the requirements of DIN 51825: (2004-06) KPFHC1-2N-50

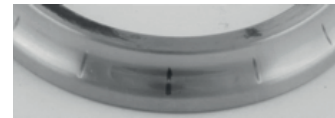
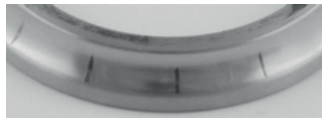


Undyed grease to minimize cosmetic concerns

## Features and Benefits

- Excellent performance in the Wind Industry Riffel test that mimics the sever vibration and corrosion conditions in wind turbine pitch and yaw bearings.
- Excellent rust and corrosion protection provides enhance performance in wet conditions for reduced downtime and maintenance costs compared to/versus conventional greases.
- Excellent low temperature performance in centralized grease systems provided by low flow pressure, outperforming widely used competitive product.

### Riffel Test (FE 61001) - Mobil SHC Grease 68 IPC upper and lower inner rings



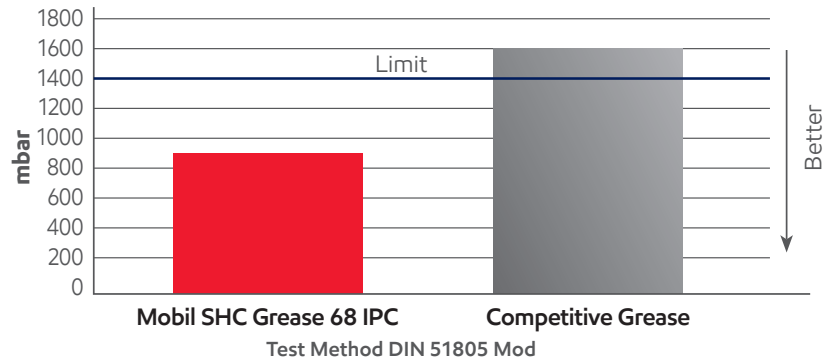
### Mod Riffel test with NaCl

#### Mobil SHC Grease 68 IPC

#### Competitor Grease



### Flow Pressure @ -50°C



## Advancing Productivity™

### Safety

Excellent wear protection can help reduce maintenance and the risk associated with employee-equipment interaction.

### Environmental Care\*\*

Long grease life helps cut grease consumption, waste generation and maintenance-related waste.

### Productivity

Grease designed to handle wind density changes to ensure maximum power generation.

\* Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice.

\*\*Visit mobil.eu to learn how certain Mobil-branded lubricants may provide benefits to help minimize environmental impact. Actual benefits will depend upon product selected, operating conditions and applications.

© 2023 Exxon Mobil Corporation. All rights reserved. All trademarks used herein are trademarks or registered trademarks of Exxon Mobil Corporation or one of its affiliates unless otherwise noted.