

# Mobil SHC™ Grease 460 WT

Synthetic grease for wind turbines



## Key benefits



Proven protection for main, pitch and yaw bearings



Excellent performance in a wide temperature range



Outstanding water resistance



Strong protection against wear, rust and corrosion



Potentially reduced maintenance costs versus conventional greases

Excellent cold temperature performance down to

# -30°C

Mobil SHC™ Grease 460 WT is designed to help you control costs, reduce downtime and boost productivity through:

- **Powerful bearing protection to enhance equipment life**
- **Long relubrication intervals to limit need for maintenance**
- **Durability even in aqueous and extreme temperature environments**
- **Suitability with either manual or centralized greasing systems**

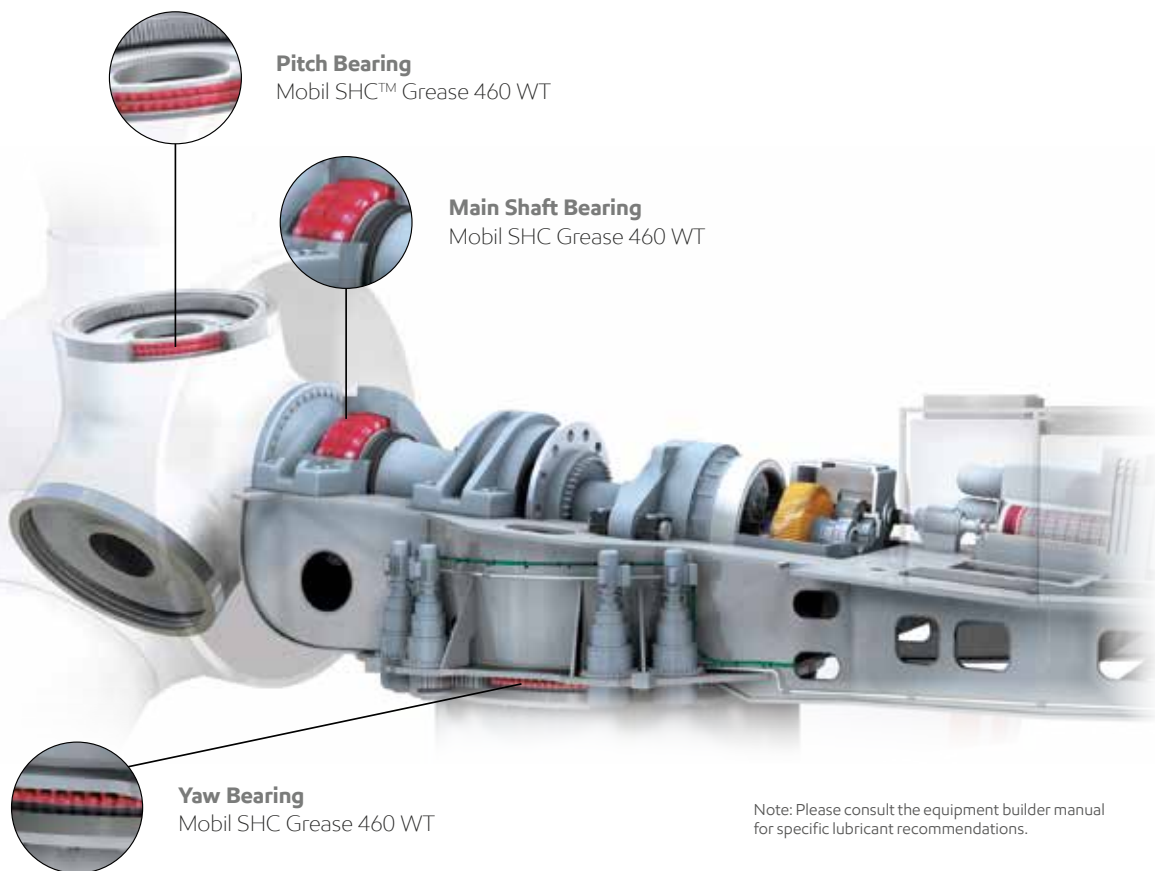
Mobil SHC Grease 460 WT is approved and recommended by many leading Wind Turbine OEM and bearing manufacturers.

## Typical properties\*

Test	Mobil SHC Grease 460 WT
NLGI Grade	1.5
Thickener Type	Lithium Complex
Color, Visual	Red
Penetration, Worked, 25°C, ASTM D 217	305
Dropping Point, °C, ASTM D 2265	255
Viscosity of Oil, ASTM D 445 cSt @ 40°C	460
Timken OK Load, ASTM D 2509, lb.	55
4-Ball Weld, ASTM D 2596, Load, Kg	250
Water Washout, ASTM D 1264, Loss at 79°C. % wt	10
Rust Protection, ASTM D 6138, Distilled Water	0,0
Corrosion Protection, ASTM D 1743, Rating	Pass

\*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. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit [exxonmobil.com](http://exxonmobil.com). ExxonMobil is comprised of numerous affiliates and subsidiaries, many with names that include Esso, Mobil, or ExxonMobil. Nothing in this document is intended to override or supersede the corporate separateness of local entities. Responsibility for local action and accountability remains with the local ExxonMobil-affiliate entities.

# Mobil SHC™ Grease 460 WT



**Pitch Bearing**  
Mobil SHC™ Grease 460 WT

**Main Shaft Bearing**  
Mobil SHC Grease 460 WT

**Yaw Bearing**  
Mobil SHC Grease 460 WT

Note: Please consult the equipment builder manual for specific lubricant recommendations.

Versatile Mobil SHC™ Grease 460 WT synthetic grease enables you to use one product for main, pitch and yaw bearings, reducing the risk of relubricating with the wrong product and allowing you to simplify your lubricant inventory.

Mobil SHC Grease 460 WT helps maintain proper film thickness to protect the **main bearing**, which is subject to high loads. Low internal friction of the base fluid offers the potential for reduced low-temperature starting torque.

**Pitch and yaw bearings** move through only a few degrees of rotation, hindering development of a proper lubricant film. Blade vibrations caused by wind pressure waves are transferred to the pitch and yaw bearings, which can lead to false brinelling. Mobil SHC Grease 460 WT lubricant meets the industry test standard for false brinelling protection, along with excellent rust and corrosion protection.

## Specifications

Mobil SHC Grease 460 WT meets the requirements of:

- DIN 51825: (2004-06) KPHC1-2N-30



## Advancing Productivity™

### Safety

With multipurpose capabilities and a wide operating temperature range, Mobil SHC™ Grease 460 WT lubricant can help reduce the number of products to be transported to the turbine, helping mitigate potential risk of employee injury.

### Environmental Care\*

The excellent wear protection and structural stability offered by Mobil SHC Grease 460 WT can help limit environmental impact by reducing disposal of worn equipment and waste grease.

### Productivity

Mobil SHC Grease 460 WT can help reduce downtime and maintenance costs for potentially enhanced productivity by addressing the severe environmental stresses of wind turbine operation through robust false-brinelling protection and superb wear, rust and corrosion resistance.

\*Visit [global.mobil.com](http://global.mobil.com) 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.

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