

Mobil SHC™ Gear 320 WindPower

Fill-for-life capable wind turbine gear oil



The wind energy industry needs gear oils it can trust to outlive its turbines. Mobil SHC™ Gear 320 WindPower is DNV-certified to deliver outstanding performance and protection for the lifetime of a wind turbine:

- **Optimized oxidation resistance**
- **Unrivalled load-carrying**
- **Excellent yellow metal compatibility**

Key benefits



Advanced base oils and antioxidant system prevent oil degradation for long life



Powerful additive system enhances load-carrying and cleanliness



Resistance to WEC, micropitting and scuffing helps enhance equipment life

DNV-certified for a gearbox's lifetime

The latest in a long line of Mobil™ 'firsts' for the sector, Mobil SHC Gear 320 WindPower has received endorsement of its fill-for-life capability from world-leading certification body DNV.

Our proprietary product technology and in-service solutions are designed to protect equipment and maintain excellent performance for the lifetime of a gearbox in virtually all conditions, optimizing uptime, reducing maintenance costs and enhancing safety.



Outstanding cleanliness

Meets cleanliness requirements of -/14/11 (ISO 4406), helping to provide smooth, trouble-free operations without additional on-site filtration.

Does not contribute to WEC

Mobil SHC Gear 320 WindPower continues our tradition of wind turbine gear oils that are certified to not contribute to oil-related effects of White Etching Cracks (WEC) by DNV.

GHG emissions reduction potential

By offering lifetime ODI capability, the product can deliver an estimated 80% reduction in Global Warming Potential (GWP) when compared to a product with an ODI of 5 years¹.

Robust anti-wear performance

Superb protection from micropitting fatigue and traditional scuffing, helping to extend gear and bearing life under extremes of load, speed and temperature.

Supreme load—carrying and compatibility

Low sulfur formulation offers enhanced compatibility with yellow metals and soft coatings, alongside high film thickness for improved protection during hot starts.

Exceptional foam protection

Outstanding foam protection, even after fine filtration, helps to reduce the risk of false oil level alarms, spillage and environmental impact.

1 Illustration shows an estimate of the reduction in Global Warming Potential (GWP) for Mobil SHC Gear 320 WindPower through extended 20 year lifetime Oil Drain Interval (ODI). Wind turbine gear oil GWP tons of CO₂-eq estimate is based on a finished lubricant well-to-gate. Based on an average turbine sump size, excluding potential flushing between oil change. Accounts for Mobil Xtra WT top treat program in years, 10 and 15. Estimate includes, respective Carbon Footprint of Products and oil drain interval.

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ENHANCED WIND TURBINE EFFICIENCY

Designed, developed, and produced per APQP4Wind standards



**Advancing
Productivity™**

Safety

Long oil and equipment life as well as optimum wear protection can help reduce maintenance and the risks associated with employee–equipment interaction.

Environmental Care²

Long drain intervals help control the risk of spills. Long oil life can help reduce the need for product and packaging disposal.

Productivity

World-class lubricant performance can help enhance wind turbine production by reducing unscheduled downtime to improve turbine availability.

² Visit www.mobil.co.in 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.