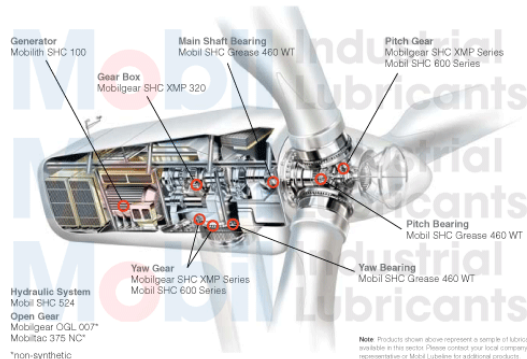


Mobil lubricants and greases for wind turbines.

Product Line	Features	Advantages and Benefits
Mobilgear SHC XMP Series synthetic gear oil for the main gearbox	Superb all-around protection against gear and bearing wear (such as micropitting and scuffing wear), excellent foam and air release, outstanding stability in the presence of water contamination, corrosion protection.	Improved equipment productivity due to reduced unscheduled downtime and maintenance; longer gear and bearing life under high-stress operating conditions; extended oil life.
Mobilith SHC Greases synthetic greases for lubrication of main, pitch, and yaw bearings (Mobil SHC Grease 460 WT) and generator bearings (Mobilith SHC 100)	Outstanding high- and low-temperature performance; excellent extreme pressure (400) and antiwear (100) properties; low starting and running torque; very good structural stability; resistance to water contamination.	Improved flexibility in geographic placement of wind turbines; excellent wear protection of components; easy start-up at low temperature; extended greasing interval—reduced service cost.
Mobil SHC 524 synthetic hydraulic oil	Maximum antiwear protection; highly shear stable; wide temperature range; resistant to deposit formation.	Ideally suited for high-pressure and tight-clearance hydraulic systems; improved cleanliness and longer life for components (pumps and valves); extended oil and filter life.
Mobil SHC 600 Series synthetic gear and bearing oils for auxiliary wind turbine gearboxes	Excellent high- and low-temperature capability; superior wear protection; highly resistant to oxidation and sludging; low traction coefficient.	Extends ambient temperature for equipment; improved operational reliability; extended oil life; improved energy efficiency.
Mobilitec 375 NC* non-synthetic lubricant for open gears	Nonleaded, diluent-type open gear lubricant; high viscosity base oil for heavily loaded open gears; excellent protection of gear teeth and other machine elements under boundary lubrication conditions.	Excellent gear wear protection; low component replacement and maintenance costs.
Mobilgear OGL 007* non-synthetic, non-diluent lubricant for open gears	Advanced technology, semi-fluid lubricant; extreme pressure additives and graphite for heavy loads; lead- and chlorine-free, adhesive in nature.	Excellent gear wear protection; low component replacement and maintenance costs; reduced environmental impact.



ExxonMobil Lubricants & Specialties
3025 Gateway Blvd
Fairfax, VA 22037

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Mobil Industrial
Lubricants

Industrial lubricants for wind power Taking wind turbines to new heights



ExxonMobil
Lubricants & Specialties

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Note: Products shown above represent a sample of lubricants available in this sector. Please contact your local company representative or Mobil Lubricator for additional products.



**Reduce unscheduled downtime.
Lower maintenance costs. Extend oil life.**

**Get peak performance from your wind turbines
with supreme-performance synthetic lubricants from Mobil.**

When it comes to wind turbines, Mobil industrial lubricants don't just make them run. They make them fly. How? By helping you get the most out of your machines. Mobil's exceptional lineup for wind turbines includes:

A broad range of synthetic lubricants featuring:

- Mobilgear SHC XMP 320 for the main gearbox
- Mobil SHC Grease 460 WT grease for main, pitch, and yaw bearings; Mobilith SHC 100 grease for generator bearings
- Mobil SHC 524 for hydraulic systems

Designed to excel even in the most demanding conditions (including high heat, heavy load, and water contamination), these synthetic lubricants and greases will keep your wind turbines operating in top form. Read more about these and other Mobil products for wind turbines on the outer panel.

Supported by exceptional industry expertise.

Our highly experienced equipment builder engineers work closely with leading equipment builders for unique insights into their lubrication requirements, which then guide our product development.

Our outstanding lubricant formulators have the know-how to build leading-edge lubricants from the ground up rather than basing them on preassembled additive packages, making most of them uniquely effective in the equipment they lubricate.



For more information on these and other Mobil lubricants and services, please visit our web site at www.mobil.com or contact your local company representative.

A state-of-the-art used-oil analysis program.

To help customers monitor lubricant and equipment condition, and avoid unscheduled breakdowns and costly repairs, Mobil offers a used-oil analysis program specifically tailored for wind turbine applications. This program is backed by our field engineering services team that will train customer personnel on running an effective used-oil analysis program and interpreting analysis results.

Our well-trained field engineering services team offers invaluable guidance to customers on best practices related to the operation and maintenance of industrial equipment and lubrication systems, and troubleshooting expertise. This exceptional level of application service combines with supreme-performance Mobil synthetic lubricants to help you unleash the productivity of your wind turbines.

Backed by extensive builder approvals and proven field performance.

Thoroughly tested in the lab, bench, and field before they are commercialized, Mobil lubricants and greases are well supported by builder approvals. For example, our top-of-the-line synthetic wind turbine gear oil, Mobilgear SHC XMP, is approved and/or used by several major gear, bearing, and wind turbine manufacturers. It has been in the market for over eight years and lubricates more than 10,000 wind turbines. Analysis of over 15,000 used-oil samples of Mobilgear SHC XMP indicates superb wear protection and virtually no alerts due to oil aging over the years, exemplifying the proven field performance of the product.

