



# Lubricants for Wind Turbines: Global Market Analysis and Opportunities

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**3<sup>rd</sup> edition**

**Regional Coverage:**

A comprehensive analysis examining lubricants for the wind energy market and providing details on important market segments in each country. The report focuses on key trends, developments, changes, challenges, and business opportunities.

- China
- India
- Spain
- United States
- Germany
- Global Off-Shore

## SCOPE

- › Lubricant demand in wind turbines for 2019 and an outlook to 2024
  - › Analysis of key markets including China, Germany, India, Spain, the United States, and global off-shore
  - › Demand by key products including gear oils, hydraulic fluids, and grease
  - › Penetration of synthetic and bio-based lubricants
  - › Penetration of different wind energy technologies and impact on lubricant demand
  - › Key lubricant suppliers
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## Introduction

## Executive Summary

An overview of the report findings plus a forecast based on Kline's FutureView Forecasting Model

## Wind Power Industry Overview

- Introduction
- Regional installations
- Industry structure
- Wind turbine technology
- Market outlook

## Profiles of Key Country Markets

The wind energy industry in each market listed in table 1 is profiled, covering:

- Introduction
- Power scenario
- Government regulations and support for wind power
- Wind power installations
- Lubricant demand
- Industry trends and outlook

**Table 1. Markets Covered**

United States	Germany
China	Spain
India	Global Off-Shore

## Lubricant Products in Wind Energy

- Introduction
- Overall market
- Gear oils
- Hydraulic fluids
- Grease
- Market outlook

## Market Evaluation

- Market outlook
- Market attractiveness
- Conclusions



## REPORT BENEFITS

This report serves as an excellent resource for lubricant and basestock marketers, wind turbine OEMs, and other market participants. Specifically, it assists subscribers by providing:

A useful tool for sales, marketing, and product development teams to understand evolving market needs

An understanding of the competitive landscape, along with the major suppliers and their competitive strengths and weaknesses

Independent analysis of the current demand and forecast to identify key growth markets

## METHODOLOGY

Kline's approach places principal emphasis on primary research techniques to ensure that the foundation of business intelligence and insight is accurate, current, and reliable. Building on our 60-plus years in the business and leveraging our worldwide network of offices, our teams of seasoned professionals draw upon pragmatic industrial and commercial experience to understand and interpret global impacts and local perspectives.

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