



Bio-lubricants:

Market Analysis and Opportunities

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Base Year: 2016

Forecasts to 2021

Regional Coverage: Americas ■ Europe

Bio-lubricants is a term used to describe lubricant products that meet any of the following criteria: biodegradability, bio-sourced, or low toxicity. Bio-lubricants are generally used in environmentally sensitive applications where these features are imperative. Increasing awareness about renewable products, legislation encouraging the usage of bio-lubricants, and growth in end-use industries are driving this niche industry.

This Report Helps Subscribers to:

- Make a reliable and independent assessment of the opportunities and challenges in the bio-lubricants market
- Assess attractiveness of different end-use industries in terms of current penetration of bio lubricants, potential growth, key growth drivers, legislative support, orientation towards bio-lubricants, and roadblocks
- Understand key lubricant product categories where the use of bio-lubricants is growing
- Assess the impact of government procurement, labelling requirements, and other mandates and support to the use of bio-lubricants
- Evaluate key lubricant basestocks used to blend bio-lubricants
- Develop competitive intelligence for use in benchmarking and identifying key bio-lubricant suppliers



Report Contents

Introduction

Overall Market

- Classification of bio-lubricants
- Key bio-lubricants product categories and comparison with petro-lube categories
- Pricing analysis
- Key suppliers, their product offerings, and focus markets
- Product developments and future trends
- Key end-use applications
- Growth drivers and outlook

Key Bio-lubricant Markets

- Australia
- Benelux
- Brazil
- Canada
- China
- France
- Germany
- Japan
- Nordic countries
- South Korea
- United Kingdom
- United States

Each country profile covers the following:

- Finished lubricants demand overview
- Regulations and legislation regarding bio-lubricants
- Bio-lubricant specifications and products
- Bio-lubricants demand by product category
- Pricing of bio-lubes
- Bio-lubricants demand by end-use
- Key trends in end-use segments
- Bio-lubricants suppliers
- Growth drivers and restraints
- Bio-lubricants demand outlook
- Key opportunities and appraisal

Bio-lubricants Basestocks

- PAG
- PAO
- Synthetic esters and vegetable oils
- Synthetic hydrocarbons

Each basestock profile covers the following:

- Product background covering feedstocks, manufacturing technology
- Key suppliers and overall supply
- Physical characteristics and performance claims
- Product advantages and disadvantages
- Typical applications



Scope

Bio-lubricants: Market Analysis and Opportunities provides a detailed appraisal of the global bio-lubricants market and analyzes opportunities existing in the key country markets and end-use applications. Products covered under bio-lubricants include lubricants derived from vegetable oils, PAG, synthetic esters, and other basestocks. Specifically, the study addresses:

- Overall bio-lubricant demand in key country markets in the base year and five-year outlook
- Environmental regulations, government mandates, and labeling for bio-lubricants
- Demand by key end-use applications and products
- Key suppliers of bio-lubricants
- Growth drivers and restraints and demand outlook for bio-lubricants
- Market opportunities and issues

Key Benefits

This report is a syndicated analysis specifically designed to help subscribers understand the key dynamics of this fast growing and high value market. The report helps subscribers to:

- Develop business strategies by understanding the economic, technological, and legislative trends shaping and driving the global bio-lubricants market
- Design and develop products, marketing, and sales strategies targeting key end-use segments
- Develop market-entry and market expansion strategies by evaluating current and future demand scenarios
- Evaluate the major global bio-lubricants players and their products to identify gaps in product portfolios and evaluate new product introductions
- Identifying the bio-lubricants market segments poised for strong growth



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 50-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.

Primary Research

We Know Who to Talk to. We Know How to Listen.



A high number of in-depth discussions are conducted by each analyst. All interviews are done with true industry insiders.

Kline’s analysts draw upon pragmatic experience to understand global impacts and local perspectives. Our interviews engage experts across all pertinent fields and sectors including:

- Marketers/manufacturers
- Distributors
- Government agencies
- Retailers
- Suppliers
- Trade organizations

Secondary Research

We Know Where to Look – Mining the Details.



Analysis is further supplemented by secondary research, consisting of constant tracking of annual company reports, national statistics bureaus, trade/ industrial/professional associations, and the like.

Relevant developments are diligently followed and their impact closely monitored. Reports also draw upon non-confidential data from Kline’s internal database, consisting of over half a century’s syndicated research.

Comprehensive Market Intelligence

We Know How to Verify.



Data are rigorously analyzed, cross-checked, distilled, and validated. Kline’s proven methodology allows exceptionally effective, precise, and reliable market

intelligence, giving subscribers a solid foundation on which to grow, refine, and expand their business with confidence.

Kline Credentials

Kline is a leading global management consulting and market research firm offering the complete spectrum of services. The firm has served the management consulting and market research needs of organizations in the chemicals, materials, energy, life sciences, and consumer products industries for over 50 years.

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