

Biolubricants: Global Markets

https://marketpublishers.com/r/B8358430EFE4EN.html

Date: June 2021

Pages: 252

Price: US\$ 2,750.00 (Single User License)

ID: B8358430EFE4EN

Abstracts

Report Scope

In this report, the market has been segmented based on bio-based end-use category, base oil, product type and region. It offers an overview of the global market for biolubricants and analyzes global market trends, considering a base year of 2019 and estimates for 2020 and 2025. Revenue forecasts for 2025 are given for each biolubricant type, base oil, product type, end-use and region. Estimated values are derived from manufacturers' total revenues.

The report also includes a discussion of the major players in the market. Further, it explains the major drivers and regional dynamics of the market for biolubricants and current trends within the industry. The report concludes with a special focus on the vendor landscape and includes detailed profiles of the major vendors in the global market for biolubricants.

This report covers the technological, economic and business considerations of the biolubricants industry with analyses and forecasts provided for global markets. Included in the report are descriptions of market forces relevant to the biolubricants industry and their areas of application.

Global markets are presented by base oil, product type and end-use industry of biolubricants, along with growth forecasts through 2025. Estimates on sales value are based on the price in the supply chain at which the biolubricants are procured by manufacturers.

Market-driving forces and industry structure are examined. International aspects are analyzed for all world regions and base oils of biolubricants. Brief profiles of major global manufacturers are presented.



The presently developing COVID-19 pandemic has currently halted the progress of economies across the world. In addition to taking measures to lock down their respective countries to contain the spread of the coronavirus, especially in affected cities, various governments across the world are also taking the measures necessary to contain the economic slowdown.

The report considers the impact of COVID-19. In 2020, the growth rate of every industry across the world was impacted by the pandemic, and thus the biolubricants market will also be indirectly affected. The market is, however, expected to bounce back in 2021, due to the relief packages or disaster aid packages provided by various governments to boost their economies.

The report does not include separate market data for the very small base oil types and product types covered under the other categories.

A negative economic outlook has been assumed in all the regions for 2020 due to COVID-19, but a later positive economic outlook has been assumed to continue in all the regions until 2025. The growing economies are assumed to attract key companies in the market and increase consumer spending.

Report Includes

177 data tables and 106 additional tables

An overview of the global markets for bio lubricants

Estimation of the market size and analyses of global market trends, with data from 2019 to 2020 and projections of compound annual growth rates (CAGRs) through 2025

Identification of market drivers, restraints and other forces impacting the global market and evaluation of current market size and forecast and technological advancements within the industry

Characterization and quantification of market potential for bio lubricants by enduse application, end-user, type and region

Description of biodegradable and renewable feedstock, such as vegetable oil,



animal fat, and bio-based esters and discussion on major advantages of bio lubricants as they are biodegradable, minimally toxic, and not bio-accumulative, and lubricants produced from these feedstocks are considered as environmentally acceptable lubricants (EAL)

Discussion on importance of bio-lubricants products and their effect on economic activity, and analysis of recent developments, new product launches and strategic innovations within the industry

Market share analysis of the key companies of the industry and coverage of events like mergers & acquisitions, joint ventures, collaborations or partnerships

Company profiles of major players, including Binol Biolubricants, Exxon Mobil Corp., KI?ber Lubrication, Royal Dutch Shell PLC and Vickers Oil



Contents

CHAPTER 1 INTRODUCTION

Market Definition

Study Goals and Objectives

Reasons for Doing This Study

Intended Audience

Scope of Report

Information Sources

Methodology

Currency

Unit Considered

Geographic Breakdown

Analyst's Credentials

BCC Custom Research

Related BCC Research Reports

CHAPTER 2 SUMMARY AND HIGHLIGHTS

CHAPTER 3 MARKET OVERVIEW

Introduction

Market Dynamics

Drivers

Restraints

Opportunities

Challenges

Supply Chain Analysis

Raw Material

Blending

Distribution

End-use Industry

Biodegradation Mechanism of Vegetable Oil

Methods of Biodegradation Mechanism

Average Selling Price Trend

Industry Outlook

GDP Trends and Forecast of Major Economies

Lockdowns and Economic Activity



Mining Wind Energy

CHAPTER 4 IMPACT OF COVID-19

Disruption in Major Industries
Chemical Industry
Metal and Mining Industry
Automotive Industry
Construction Industry
Oil and Gas Industry

CHAPTER 5 MARKET BREAKDOWN BY TYPE OF BASE OIL

Introduction

Vegetable Oil

Chemical Structures of Vegetable Oils and Fatty Acids

Transesterification of Vegetable Oils

Epoxidation

Animal Fat

Others

Polyalkylene Glycols (PAGs)

Esters

CHAPTER 6 MARKET BREAKDOWN BY PRODUCT TYPE

Introduction

Hydraulic Fluid

Metalworking Fluid

Removal Metalworking Fluid

Protecting Metalworking Fluid

Forming Metalworking Fluid

Treating Metalworking Fluid

Chainsaw Oil

Mold Release Agents

Two-Cycle Engine Oil

Gear Oil

Rust- and Corrosion-inhibited Gear Oil

Compounded Gear Oil



Extreme Pressure Gear Oil

Grease

Metallic Soap Thickeners

Non-soap Thickeners

Inorganic Thickeners

Other Thickeners

Others

Transformer Oil

Refrigeration Oil

Textile Machinery Lubricants

CHAPTER 7 MARKET BY BREAKDOWN BY END-USE INDUSTRY

Introduction

Industrial

Industrial Subsegments

Commercial Transport

Consumer Automobile

CHAPTER 8 MARKET BREAKDOWN BY REGION

Introduction

Asia-Pacific

China

India

Japan

South Korea

Malaysia

Indonesia

North America

United States

Canada

Mexico

Europe

Nordic Countries

Germany

Benelux

Switzerland

Italy



France

United Kingdom

Middle East and Africa

South Africa

Egypt

South America

Brazil

Argentina

CHAPTER 9 PATENT ANALYSIS

Introduction

Methodology

Document Type

Trends by Year

Trends by Country

Trends by Assignee

CHAPTER 10 COMPETITIVE LANDSCAPE

Major Manufacturers in the Lubricants Ecosystem

Lubricants Industry Structure

Per Capita Lubricant Demand

Market Share and Ranking Analysis of Biolubricants Companies

CHAPTER 11 COMPANY PROFILES

BALMER LAWRIE & CO., LTD.

BECHEM LUBRICATION TECHNOLOGY LLC

BINOL BIOLUBRICANTS

BIONA JERSIN S.R.O.

BP PLC

CARGILL INC.

CHEVRON CORP.

EMERY OLEOCHEMICALS SDN BHD

ENEOS CORP.

EXXON MOBIL CORP.

FUCHS PETROLUB SE

GREEN EARTH TECHNOLOGIES INC.



IDEMITSU KOSAN CO., LTD.

IGOL LUBRICANTS PVT., LTD.

KAJO GROUP

KLUBER LUBRICATION

LANOPRO

MAGNA GROUP

PANOLIN AG

RENEWABLE LUBRICANTS, INC.

ROYAL DUTCH SHELL PLC

RSC BIO SOLUTIONS LLC

TOTAL S.A.

VICKERS OIL

Companies That Participate in All Categories of Lubricant Manufacturing

AMSOIL INC.

AVISTA OIL AG

BHARAT PETROLEUM CORP., LTD. (BPCL)

BP P.L.C.

CHEVRON CORP.

ENEOS CORP.

ENI S.P.A.

EXXON MOBIL CORP.

FUCHS PETROLUB SE

GAZPROM NEFT PJSC

HINDUSTAN PETROLEUM CORP., LTD. (HPCL)

IDEMITSU KOSAN CO., LTD.

INDIAN OIL CORP., LTD. (IOCL)

LUKOIL

PETROCHINA CO., LTD.

PETROLIAM NASIONAL BERHAD (PETRONAS)

PT PERTAMINA (PERSERO)

PHILLIPS

PETROBRAS

PETROLEOS DE VENEZUELA, S.A.

PJSC TATNEFT

REPSOL

ROSNEFT

SAUDI ARAMCO

SINOPEC LUBRICANT CO.

VALVOLINE INC.



CHAPTER 12 APPENDIX: ACRONYMS



List Of Tables

LIST OF TABLES

Summary Table: Global Market for Biolubricants, by End-Use Industry, Through 2025

Table 1: Industrial Growth Rate of Key Countries, 2018

Table 2: Increased Vehicle Sales and Higher Motorization Rate

Table 3: BRIC Nations Total Vehicle Sales, 2019

Table 4: Biodegradability Test Methods and Its Criterion

Table 5: Biodegradability Nature of the Different Base Fluids

Table 6: Biolubricants Market Price, by Region, 2019-2025

Table 7: GDP Trends and Forecast, by Major Country, 2017-2024

Table 8: GDP Forecast Errors in 2020: H1 and Lockdown Stringency

Table 9: Lockdowns and Economic Activity Through a Broad Range of Indicators

Table 10: Global Mineral Production, by Key Country, 2018

Table 11: Global Wind Installation, by Key Country, 2015-2019

Table 12: COVID-19 Impact on Supply Chain Stage

Table 13: Forecasting Factors and COVID-19 Impact

Table 14: Major Announcements by Mining Companies, 2020

Table 15: Metal and Mining Industry: Opportunities, 2020

Table 16: Major Announcements by Automotive Companies, 2020

Table 17: Automotive Industry: Opportunities, 2020

Table 18: Major Announcements by Construction Companies, 2020

Table 19: Major Announcements by Oil and Gas Companies, 2020

Table 20: Oil and Gas Industry: Opportunities, 2020

Table 21: Base Oil by Group

Table 22: Classification of Base Oil, by Group

Table 23: Biodegradable Natures of Different Base Fluids

Table 24: Overview of the Test Methods Available to Conduct Laboratory-Scale Check

for Lubricant Properties

Table 25: Vegetable Oils and their Applications

Table 26: Standards Specifying Biodegradability and Ecotoxicity of Environment-

Friendly Lubricants, by Countries

Table 27: Global Market Volume of Biolubricants, by Base Oil, Through 2025

Table 28: Global Market for Biolubricants, by Base Oil, Through 2025

Table 29: Various Methods of the Production of Biolubricants from Vegetable Oil, by

Transesterification

Table 30: Various Methods of the Production of Biolubricants, by Epoxidation of

Vegetable Oils



- Table 31: Global Market Volume of Vegetable Oil, by Region, Through 2025
- Table 32: Global Market for Vegetable Oil, by Region, Through 2025
- Table 33: Global Market Volume of Animal Fat, by Region, Through 2025
- Table 34: Global Market for Animal Fat, by Region, Through 2025
- Table 35: Physical Properties of Esters
- Table 36: Global Market Volume of Other Base Oils, by Region, Through 2025
- Table 37: Global Market for Other Base Oils, by Region, Through 2025
- Table 38: Global Market Volume of Biolubricants, by Product Type, Through 2025
- Table 39: Global Market for Biolubricants, by Product Type, Through 2025
- Table 40: Global Market Volume of Hydraulic Fluid, by Region, Through 2025
- Table 41: Global Market Volume of Hydraulic Fluid, by Region, Through 2025
- Table 42: Global Market Volume of Metalworking Fluid, by Region, Through 2025
- Table 43: Global Market Volume of Metalworking Fluid, by Region, Through 2025
- Table 44: Global Market Volume of Chainsaw Oil, by Region, Through 2025
- Table 45: Global Market Volume of Chainsaw Oil, by Region, Through 2025
- Table 46: Global Market Volume of Mold Release Agents, by Region, Through 2025
- Table 47: Global Market for Mold Release Agents, by Region, Through 2025
- Table 48: Global Market Volume of Two-Cycle Engine Oil, by Region, Through 2025
- Table 49: Global Market for Two-Cycle Engine Oil, by Region, Through 2025
- Table 50: Global Market Volume of Gear Oil, by Region, Through 2025
- Table 51: Global Market for Gear Oil, by Region, Through 2025
- Table 52: Global Various Grades of Grease Classified by NLGI
- Table 53: Global Market Volume of Grease, by Region, Through 2025
- Table 54: Global Market for Grease, by Region, Through 2025
- Table 55: Global Market Volume of Other Biolubricants, by Region, Through 2025
- Table 56: Global Market for Other Biolubricants, by Region, Through 2025
- Table 57: Global Market Volume of Biolubricants, by End-Use Industry, Through 2025
- Table 58: Global Market for Biolubricants, by End-Use Industry, Through 2025
- Table 59: World Fleet, by Principal Vessel Type, 2018 and 2019
- Table 60: Ownership of World Fleet Ranked, by Dead-Weight Tonnage, 2019
- Table 61: Global Market Volume of Biolubricants in Industrial End Uses, by Region,
- Through 2025
- Table 62: Global Market for Biolubricants in Industrial End Uses, by Region, Through 2025
- Table 63: Global Market Volume of Biolubricants in Marine End Uses, by Region,
- Through 2025
- Table 64: Global Market for Biolubricants in Marine End Uses, by Region, Through 2025
- Table 65: Global Market Volume of Biolubricants in Agriculture and Construction End
- Uses, by Region, Through 2025



Table 66: Global Market for Biolubricants in Agriculture and Construction End Uses, by Region, Through 2025

Table 67: Global Market Volume of Biolubricants in Food and Beverage End Uses, by Region, Through 2025

Table 68: Global Market for Biolubricants in Food and Beverage End Uses, by Region, Through 2025

Table 69: Global Market Volume of Biolubricants in Mining and Energy End Uses, by Region, Through 2025

Table 70: Global Market for Biolubricants in Mining and Energy End Uses, by Region, Through 2025

Table 71: Global Market Volume of Biolubricants in Manufacturing End Uses, by Region, Through 2025

Table 72: Global Market for Biolubricants in Manufacturing End Uses, by Region, Through 2025

Table 73: Global Market Volume of Biolubricants in Commercial Transport End Uses, by Region, Through 2025

Table 74: Global Market for Biolubricants in Commercial Transport End Uses, by Region, Through 2025

Table 75: Global Market Volume of Biolubricants in Consumer Automobile End Uses, by Region, Through 2025

Table 76: Global Market for Biolubricants in Consumer Automobile End Uses, by Region, Through 2025

Table 77: Global Market Volume of Biolubricants, by Region, Through 2025

Table 78: Global Market for Biolubricants, by Region, Through 2025

Table 79: Asia-Pacific Market Volume of Biolubricants, by Country, Through 2025

Table 80: Asia-Pacific Market for Biolubricants, by Country, Through 2025

Table 81: Asia-Pacific Market Volume of Biolubricants, by Base Oil, Through 2025

Table 82: Asia-Pacific Market for Biolubricants, by Base Oil, Through 2025

Table 83: Asia-Pacific Market Volume of Biolubricants, by Product Type, Through 2025

Table 84: Asia-Pacific Market for Biolubricants, by Product Type, Through 2025

Table 85: Asia-Pacific Market Volume of Biolubricants, by End-Use Industry, Through 2025

Table 86: Asia-Pacific Market for Biolubricants, by End-Use Industry, Through 2025

Table 87: Chinese Market Volume of Biolubricants, by Base Oil, Through 2025

Table 88: Chinese Market for Biolubricants, by Base Oil, Through 2025

Table 89: Chinese Market Volume of Biolubricants, by End-Use Industry, Through 2025

Table 90: Chinese Market for Biolubricants, by End-Use Industry, Through 2025

Table 91: Indian Market Volume of Biolubricants, by Base Oil, Through 2025

Table 92: Indian Market for Biolubricants, by Base Oil, Through 2025



- Table 93: Indian Market Volume of Biolubricants, by End-Use Industry, Through 2025
- Table 94: Indian Market for Biolubricants, by End-Use Industry, Through 2025
- Table 95: Japanese Market Volume of Biolubricants, by Base Oil, Through 2025
- Table 96: Japanese Market for Biolubricants, by Base Oil, Through 2025
- Table 97: Japanese Market Volume of Biolubricants, by End-Use Industry, Through 2025
- Table 98: Japanese Market for Biolubricants, by End-Use Industry, Through 2025
- Table 99: South Korean Market Volume of Biolubricants, by Base Oil, Through 2025
- Table 100: South Korean Market for Biolubricants, by Base Oil, Through 2025
- Table 101: South Korean Market Volume of Biolubricants, by End-Use Industry, Through 2025
- Table 102: South Korean Market for Biolubricants, by End-Use Industry, Through 2025
- Table 103: Malaysian Market Volume of Biolubricants, by Base Oil, Through 2025
- Table 104: Malaysian Market for Biolubricants, by Base Oil, Through 2025
- Table 105: Malaysian Market Volume of Biolubricants, by End-Use Industry, Through 2025
- Table 106: Malaysian Market for Biolubricants, by End-Use Industry, Through 2025
- Table 107: Indonesian Market Volume of Biolubricants, by Base Oil, Through 2025
- Table 108: Indonesian Market for Biolubricants, by Base Oil, Through 2025
- Table 109: Indonesian Market Volume of Biolubricants, by End-Use Industry, Through 2025
- Table 110: Indonesian Market for Biolubricants, by End-Use Industry, Through 2025
- Table 111: North American Market Volume of Biolubricants, by Country, Through 2025
- Table 112: North American Market for Biolubricants, by Country, Through 2025
- Table 113: North American Market Volume of Biolubricants, by Base Oil, Through 2025
- Table 114: North American Market for Biolubricants, by Base Oil, Through 2025
- Table 115: North American Market Volume of Biolubricants, by Product Type, Through 2025
- Table 116: North American Market for Biolubricants, by Product Type, Through 2025
- Table 117: North American Market Volume of Biolubricants, by End-Use Industry,
- Through 2025
- Table 118: North American Market for Biolubricants, by End-Use Industry, Through 2025
- Table 119: U.S. Market Volume of Biolubricants, by Base Oil, Through 2025
- Table 120: U.S. Market for Biolubricants, by Base Oil, Through 2025
- Table 121: U.S. Market Volume of Biolubricants, by End-Use Industry, Through 2025
- Table 122: U.S. Market for Biolubricants, by End-Use Industry, Through 2025
- Table 123: Canadian Market Volume of Biolubricants, by Base Oil, Through 2025
- Table 124: Canadian Market for Biolubricants, by Base Oil, Through 2025



- Table 125: Canadian Market Volume of Biolubricants, by End-Use Industry, Through 2025
- Table 126: Canadian Market for Biolubricants, by End-Use Industry, Through 2025
- Table 127: Mexican Market Volume of Biolubricants, by Base Oil, Through 2025
- Table 128: Mexican Market for Biolubricants, by Base Oil, Through 2025
- Table 129: Mexican Market Volume of Biolubricants, by End-Use Industry, Through 2025
- Table 130: Mexican Market for Biolubricants, by End-Use Industry, Through 2025
- Table 131: European Market Volume of Biolubricants, by Country, Through 2025
- Table 132: European Market for Biolubricants, by Country, Through 2025
- Table 133: European Market Volume of Biolubricants, by Base Oil, Through 2025
- Table 134: European Market for Biolubricants, by Base Oil, Through 2025
- Table 135: European Market Volume of Biolubricants, by Product Type, Through 2025
- Table 136: European Market for Biolubricants, by Product Type, Through 2025
- Table 137: European Market Volume of Biolubricants, by End-Use Industry, Through 2025
- Table 138: European Market for Biolubricants, by End-Use Industry, Through 2025
- Table 139: Nordic Countries Market Volume of Biolubricants, by Base Oil, Through 2025
- Table 140: Nordic Countries Market for Biolubricants, by Base Oil, Through 2025
- Table 141: Nordic Countries Market Volume of Biolubricants, by End-Use Industry, Through 2025
- Table 142: Nordic Countries Market for Biolubricants, by End-Use Industry, Through 2025
- Table 143: German Market Volume of Biolubricants, by Base Oil, Through 2025
- Table 144: German Market for Biolubricants, by Base Oil, Through 2025
- Table 145: German Market Volume of Biolubricants, by End-Use Industry, Through 2025
- Table 146: German Market for Biolubricants, by End-Use Industry, Through 2025
- Table 147: Benelux Market Volume of Biolubricants, by Base Oil, Through 2025
- Table 148: Benelux Market for Biolubricants, by Base Oil, Through 2025
- Table 149: Benelux Market Volume of Biolubricants, by End-Use Industry, Through 2025
- Table 150: Benelux Market for Biolubricants, by End-Use Industry, Through 2025
- Table 151: Swiss Market Volume of Biolubricants, by Base Oil, Through 2025
- Table 152: Swiss Market for Biolubricants, by Base Oil, Through 2025
- Table 153: Swiss Market Volume of Biolubricants, by End-Use Industry, Through 2025
- Table 154: Swiss Market for Biolubricants, by End-Use Industry, Through 2025
- Table 155: Italian Market Volume of Biolubricants, by Base Oil, Through 2025



- Table 156: Italian Market for Biolubricants, by Base Oil, Through 2025
- Table 157: Italian Market Volume of Biolubricants, by End-Use Industry, Through 2025
- Table 158: Italian Market for Biolubricants, by End-Use Industry, Through 2025
- Table 159: French Market Volume of Biolubricants, by Base Oil, Through 2025
- Table 160: French Market for Biolubricants, by Base Oil, Through 2025
- Table 161: French Market Volume of Biolubricants, by End-Use Industry, Through 2025
- Table 162: French Market for Biolubricants, by End-Use Industry, Through 2025
- Table 163: U.K. Market Volume of Biolubricants, by Base Oil, Through 2025
- Table 164: U.K. Market for Biolubricants, by Base Oil, Through 2025
- Table 165: U.K. Market Volume of Biolubricants, by End-Use Industry, Through 2025
- Table 166: U.K. Market for Biolubricants, by End-Use Industry, Through 2025
- Table 167: Middle East & African Market Volume of Biolubricants, by Country, Through 2025
- Table 168: Middle East & African Market for Biolubricants, by Country, Through 2025
- Table 169: Middle East & African Market Volume of Biolubricants, by Base Oil, Through 2025
- Table 170: Middle East & African Market for Biolubricants, by Base Oil, Through 2025
- Table 171: Middle East & African Market Volume of Biolubricants, by Product Type,
- Through 2025
- Table 172: Middle East & African Market for Biolubricants, by Product Type, Through 2025
- Table 173: Middle East & African Market Volume of Biolubricants, by End-Use Industry, Through 2025
- Table 174: Middle East & African Market for Biolubricants, by End-Use Industry, Through 2025
- Table 175: South African Market Volume of Biolubricants, by Base Oil, Through 2025
- Table 176: South African Market for Biolubricants, by Base Oil, Through 2025
- Table 177: South African Market Volume of Biolubricants, by End-Use Industry,
- Through 2025
- Table 178: South African Market for Biolubricants, by End-Use Industry, Through 2025
- Table 179: Egyptian Market Volume of Biolubricants, by Base Oil, Through 2025
- Table 180: Egyptian Market for Biolubricants, by Base Oil, Through 2025
- Table 181: Egyptian Market Volume of Biolubricants, by End-Use Industry, Through 2025
- Table 182: Egyptian Market for Biolubricants, by End-Use Industry, Through 2025
- Table 183: South American Market Volume of Biolubricants, by Country, Through 2025
- Table 184: South American Market for Biolubricants, by Country, Through 2025
- Table 185: South American Market Volume of Biolubricants, by Base Oil, Through 2025
- Table 186: South American Market for Biolubricants, by Base Oil, Through 2025



Table 187: South American Market Volume of Biolubricants, by Product Type, Through 2025

Table 188: South American Market for Biolubricants, by Product Type, Through 2025

Table 189: South American Market Volume of Biolubricants, by End-Use Industry,

Through 2025

Table 190: South American Market for Biolubricants, by End-Use Industry, Through 2025

Table 191: Brazilian Market Volume of Biolubricants, by Base Oil, Through 2025

Table 192: Brazilian Market for Biolubricants, by Base Oil, Through 2025

Table 193: Brazilian Market Volume of Biolubricants, by End-Use Industry, Through 2025

Table 194: Brazilian Market for Biolubricants, by End-Use Industry, Through 2025

Table 195: Argentinian Market Volume of Biolubricants, by Base Oil, Through 2025

Table 196: Argentinian Market for Biolubricants, by Base Oil, Through 2025

Table 197: Argentinian Market Volume of Biolubricants, by End-Use Industry, Through 2025

Table 198: Argentinian Market for Biolubricants, by End-Use Industry, Through 2025

Table 199: Patents Related to Biolubricants, by Year, 2015-2019

Table 200: Patents Related to Biolubricants, by Country, 2015-2019

Table 201: Patent Assignees on Biolubricants, 2015-2019

Table 202: Patent Titles and Patent Numbers on Biolubricants, 2015-2019

Table 203: Lubricants Manufacturer's Presence in Eco-system

Table 204: Global Lubricants Industry Structure, 1990-2019

Table 205: Per Capita Lubricant Demand, by Region, 2007 and 2018

Table 206: Key Companies with Biolubricants Businesses, 2019

Table 207: Balmer Lawrie & Co., Ltd.: Products Offered

Table 208: Bechem Lubrication Technology LLC: Products Offered

Table 209: Binol Biolubricants: Products Offered

Table 210: Biona Jersin: Products Offered

Table 211: BP PLC: Products Offered

Table 212: BP PLC: Recent Developments, 2019

Table 213: Cargill Inc.: Products Offered

Table 214: Cargill Inc.: Recent Developments, 2019

Table 215: Chevron Corp.: Recent Developments, 2019

Table 216: Emery Oleochemicals: Products Offered

Table 217: Emery Oleochemicals: Recent Developments, 2019

Table 218: ENEOS Corp.: Products Offered

Table 219: ENEOS Corp.: Recent Developments, 2019

Table 220: Exxon Mobil Corp.: Products Offered



Table 221: Exxon Mobil Corp.: Lubricant Production Plant Location and Capacity, 2019

Table 222: Exxon Mobil Corp.: Recent Developments, 2019

Table 223: Fuchs Petolub SE: Products Offered

Table 224: Fuchs Petolub SE: Recent Developments, 2019

Table 225: Green Earth Technologies Inc.: Products Offered

Table 226: Idemitsu Kosan Co., Ltd.: Products Offered

Table 227: Idemitsu Kosan Co., Ltd.: Recent Developments, 2019

Table 228: IGOL Lubricants Pvt., Ltd.: Products Offered

Table 229: Kajo Group: Products Offered

Table 230: KI?ber Lubrication: Products Offered

Table 231: KI?ber Lubrication: Recent Developments, 2019

Table 232: LanoPro: Products Offered

Table 233: LanoPro: Recent Developments, 2019

Table 234: Magna Group: Products Offered

Table 235: PANOLIN AG: Products Offered

Table 236: PANOLIN AG: Recent Developments, 2019

Table 237: Renewable Lubricants, Inc.: Products Offered

Table 238: Royal Dutch Shell PLC: Products Offered

Table 239: Royal Dutch Shell PLC: Recent Developments, 2019

Table 240: RSC Bio Solutions LLC: Products Offered

Table 241: Total S.A.: Products Offered

Table 242: Total S.A.: Recent Developments, 2019

Table 243: Vickers Oil: Products Offered

Table 244: Amsoil Inc.: Products Offered

Table 245: Avista Oil AG: Products Offered

Table 246: Bharat Petroleum Corp., Ltd.: Products Offered

Table 247: BP P.L.C.: Products Offered

Table 248: BP P.L.C.: Recent Developments, 2019

Table 249: Chevron Corp.: Products Offered

Table 250: Chevron Corp.: Recent Developments, 2019

Table 251: ENEOS Corp.: Products Offered

Table 252: ENEOS Corp.: Recent Developments, 2019

Table 253: Eni S.p.A.: Products Offered

Table 254: Exxon Mobil Corp.: Products Offered

Table 255: Exxon Mobil Corp.: Recent Developments, 2019

Table 256: Fuchs Petolub SE: Products Offered

Table 257: Fuchs Petolub SE: Recent Developments, 2019

Table 258: Gazprom Neft PJSC: Products Offered

Table 259: Gazprom Neft PJSC: Recent Developments, 2019



Table 260: Hindustan Petroleum Corp., Ltd.: Products Offered

Table 261: Idemitsu Kosan Co., Ltd.: Products Offered

Table 262: Idemitsu Kosan Co., Ltd.: Recent Developments, 2019

Table 263: Indian Oil Corp., Ltd. (IOCL): Products Offered

Table 264: LUKOIL: Products Offered

Table 265: LUKOIL: Recent Developments, 2019

Table 266: PetroChina Co., Ltd.: Products Offered

Table 267: Petroliam Nasional Berhad (PETRONAS): Products Offered

Table 268: Petroliam Nasional Berhad (PETRONAS): Recent Developments, 2019

Table 269: PT Pertamina (Persero): Products Offered

Table 270: Phillips 66: Products Offered

Table 271: Petrobras: Products Offered

Table 272: Petrobras: Recent Developments, 2019

Table 273: Petr?leos de Venezuela, S.A.: Products Offered

Table 274: PJSC Tatneft: Products Offered

Table 275: Repsol: Products Offered

Table 276: Rosneft: Products Offered

Table 277: Saudi Aramco: Products Offered

Table 278: Sinopec Lubricant Co.: Products Offered

Table 279: Sinopec Lubricant Co.: Recent Developments, 2019

Table 280: Valvoline Inc.: Products Offered

Table 281: Valvoline Inc.: Recent Developments, 2019

Table 282: Acronyms used in This Report



List Of Figures

LIST OF FIGURES

Summary Figure: Global Market Shares of Biolubricants, by End-Use Industry, 2019

Figure 1: Supply Chain of Biolubricants Market

Figure 2: Supply Chain of Biolubricants Market

Figure 3: Biodegradation Mechanism of Vegetable Oil as Lubricants

Figure 4: Biolubricants Market Price, by Region, 2019-2025

Figure 5: Lockdowns and Economic Activity

Figure 6: Global Market Shares of Biolubricants, by Base Oil, 2019

Figure 7: Global Production and Consumption of Vegetable Oil, 2017-2019

Figure 8: Different Transesterification Routes

Figure 9: Chemical Modifications of Hydrocarbon Chain in Triglycerides

Figure 10: Transesterification with Methanol

Figure 11: Epoxidation of a Triacylglycerol Molecule

Figure 12: Reactions Possible with Epoxidized Vegetable Oils

Figure 13: General Process of Electricity Production via Vegetable Oil as Fluids in

Power Plants

Figure 14: Global Market Shares of Vegetable Oil, by Region, 2019

Figure 15: Global Market Shares of Animal Fat, by Region, 2019

Figure 16: Chemical Structure of Triglycerides (Natural Esters)

Figure 17: Global Market Shares of Other Base Oils, by Region, 2019

Figure 18: Global Market Shares of Biolubricants, by Product Type, 2019

Figure 19: Global Market Shares of Hydraulic Fluid, by Region, 2019

Figure 20: Global Market Shares of Metalworking Fluid, by Region, 2019

Figure 21: Global Market Shares of Chainsaw Oil, by Region, 2019

Figure 22: Global Market Shares of Mold Release Agents, by Region, 2019

Figure 23: Global Market Shares of Two-Cycle Engine Oil, by Region, 2019

Figure 24: Global Market Shares of Gear Oil, by Region, 2019-2025

Figure 25: Global Market Shares of Grease, by Region, 2019

Figure 26: Global Market Shares of Other Biolubricants, by Region, 2019

Figure 27: Global Market Shares of Biolubricants, by End-Use Industry, 2019

Figure 28: Global Container Port Traffic Share, by Region, 2019

Figure 29: Global Market Shares of Biolubricants in Industrial End Uses, by Region, 2019

Figure 30: Global Market Shares of Biolubricants in Commercial Transport End Uses,

by Region, 2019

Figure 31: Global Market Shares of Biolubricants in Consumer Automobile End Uses,



by Region, 2019

Figure 32: Global Market Shares of Biolubricants, by Region, 2019

Figure 33: Asia-Pacific Market for Biolubricants, 2019-2025

Figure 34: North American Market for Biolubricants, 2019-2025

Figure 35: European Market for Biolubricants, 2019-2025

Figure 36: Middle East & African Market for Biolubricants, 2019-2025

Figure 37: South American Market for Biolubricants, 2019-2025

Figure 38: Patents on Biolubricants, 2015-2019

Figure 39: Publication Trends, 2015-2019

Figure 40: Patents Related to Biolubricants, by Country, 2015-2019

Figure 41: Patents Related to Biolubricants, by Assignee, 2015-2019

Figure 42: Global Lubricants Industry Structure, 1990

Figure 43: Global Lubricants Industry Structure, 2019

Figure 44: Per Capita Lubricant Demand, by Region, 2007

Figure 45: Per Capita Lubricant Demand, by Region, 2018

Figure 46: Global Biolubricants Market Share Analysis, 2019

Figure 47: Global Biolubricants Market Ranking Analysis, 2019



I would like to order

Product name: Biolubricants: Global Markets

Product link: https://marketpublishers.com/r/B8358430EFE4EN.html

Price: US\$ 2,750.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer

Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/B8358430EFE4EN.html

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:	
Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970