

Bio-Lubricants Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global bio-lubricants market size reached US\$ 2.2 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 2.8 Billion by 2028, exhibiting a growth rate (CAGR) of 3.9% during 2023-2028.

Bio-lubricants are prepared by chemical modification of plant-based oils, such as epoxidation, transesterification and esterification reactions. These lubricants are widely used to reduce friction between different surfaces. As they are non-toxic, eco-friendly, bio-degradable and renewable, bio-lubricants are utilized in heavy machineries, such as railroad flanges, chainsaw bars and two-stroke engines. Besides this, they are required in less quantity during application and offer several advantages over synthetic and mineral oil-based lubricants. At present, technological advancements, along with increasing research and development (R&D) activities by key participants, are creating new avenues for bio-lubricant applications.

Bio-Lubricants Market Trends:

Bio-based lubricants are progressively gaining prominence over conventional petroleum-based oils on account of stringent government regulations and the increasing applications in the power generation and manufacturing industries. Moreover, the escalating demand for lubricants with superior product characteristics, such as biodegradability, high flash points, constant viscosity and lower emission levels, is acting as another growth-inducing factor. Apart from this, the depletion of crude oil reserves across the globe, in confluence with the inflating crude oil prices, has considerably raised the demand for bio-based materials. Other factors such as the growing R&D initiatives, technological innovations, increasing environmental concerns and stringent government regulations on the usage of synthetic lubricants are expected to drive the market in the coming years.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global bio-lubricants market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on base oil type, application and end use industry.

Breakup by Base Oil Type:

Vegetable Oils

Animal Fats

Breakup by Application:

Hydraulic Fluids

Metalworking Fluids

Chainsaw Oils

Mold Release Agents

Two-Cycle Engine Oils

Gear Oils and Greases

Others

Breakup by End Use Industry:

Power Generation

Automotive

Heavy Equipment

Food & Beverage

Metallurgy & Metalworking

Chemical Manufacturing

Others

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Albemarle Corporation, BP Plc, Chevron Corporation, Emery Oleochemicals, Exxon Mobil Corporation, Fuchs Petrolub SE, Klüber Lubrication München SE & Co. KG (Freudenberg Chemical Specialities SE & Co. KG), Panolin AG, Polnox Corporation, Quaker Chemical Corporation, Royal Dutch Shell PLC and Total SE.

Key Questions Answered in This Report

1. What was the size of the global bio-lubricants market in 2022?
2. What is the expected growth rate of the global bio-lubricants market during 2023-2028?
3. What are the key factors driving the global bio-lubricants market?
4. What has been the impact of COVID-19 on the global bio-lubricants market?
5. What is the breakup of the global bio-lubricants market based on the base oil type?
6. What is the breakup of the global bio-lubricants market based on application?
7. What is the breakup of the global bio-lubricants market based on the end use industry?

8. What are the key regions in the global bio-lubricants market?
9. Who are the key players/companies in the global bio-lubricants market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL BIO-LUBRICANTS MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY BASE OIL TYPE

- 6.1 Vegetable Oils
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Animal Fats
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast

7 MARKET BREAKUP BY APPLICATION

- 7.1 Hydraulic Fluids
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Metalworking Fluids
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 Chainsaw Oils
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 7.4 Mold Release Agents
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast
- 7.5 Two-Cycle Engine Oils
 - 7.5.1 Market Trends
 - 7.5.2 Market Forecast
- 7.6 Gear Oils and Greases
 - 7.6.1 Market Trends
 - 7.6.2 Market Forecast
- 7.7 Others
 - 7.7.1 Market Trends
 - 7.7.2 Market Forecast

8 MARKET BREAKUP BY END USE INDUSTRY

- 8.1 Power Generation
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
- 8.2 Automotive
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
- 8.3 Heavy Equipment
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
- 8.4 Food & Beverage
 - 8.4.1 Market Trends
 - 8.4.2 Market Forecast
- 8.5 Metallurgy & Metalworking

- 8.5.1 Market Trends
- 8.5.2 Market Forecast
- 8.6 Chemical Manufacturing
 - 8.6.1 Market Trends
 - 8.6.2 Market Forecast
- 8.7 Others
 - 8.7.1 Market Trends
 - 8.7.2 Market Forecast

9 MARKET BREAKUP BY REGION

- 9.1 North America
 - 9.1.1 United States
 - 9.1.1.1 Market Trends
 - 9.1.1.2 Market Forecast
 - 9.1.2 Canada
 - 9.1.2.1 Market Trends
 - 9.1.2.2 Market Forecast
- 9.2 Asia-Pacific
 - 9.2.1 China
 - 9.2.1.1 Market Trends
 - 9.2.1.2 Market Forecast
 - 9.2.2 Japan
 - 9.2.2.1 Market Trends
 - 9.2.2.2 Market Forecast
 - 9.2.3 India
 - 9.2.3.1 Market Trends
 - 9.2.3.2 Market Forecast
 - 9.2.4 South Korea
 - 9.2.4.1 Market Trends
 - 9.2.4.2 Market Forecast
 - 9.2.5 Australia
 - 9.2.5.1 Market Trends
 - 9.2.5.2 Market Forecast
 - 9.2.6 Indonesia
 - 9.2.6.1 Market Trends
 - 9.2.6.2 Market Forecast
 - 9.2.7 Others
 - 9.2.7.1 Market Trends

9.2.7.2 Market Forecast

9.3 Europe

9.3.1 Germany

9.3.1.1 Market Trends

9.3.1.2 Market Forecast

9.3.2 France

9.3.2.1 Market Trends

9.3.2.2 Market Forecast

9.3.3 United Kingdom

9.3.3.1 Market Trends

9.3.3.2 Market Forecast

9.3.4 Italy

9.3.4.1 Market Trends

9.3.4.2 Market Forecast

9.3.5 Spain

9.3.5.1 Market Trends

9.3.5.2 Market Forecast

9.3.6 Russia

9.3.6.1 Market Trends

9.3.6.2 Market Forecast

9.3.7 Others

9.3.7.1 Market Trends

9.3.7.2 Market Forecast

9.4 Latin America

9.4.1 Brazil

9.4.1.1 Market Trends

9.4.1.2 Market Forecast

9.4.2 Mexico

9.4.2.1 Market Trends

9.4.2.2 Market Forecast

9.4.3 Others

9.4.3.1 Market Trends

9.4.3.2 Market Forecast

9.5 Middle East and Africa

9.5.1 Market Trends

9.5.2 Market Breakup by Country

9.5.3 Market Forecast

10 SWOT ANALYSIS

- 10.1 Overview
- 10.2 Strengths
- 10.3 Weaknesses
- 10.4 Opportunities
- 10.5 Threats

11 VALUE CHAIN ANALYSIS

12 PORTERS FIVE FORCES ANALYSIS

- 12.1 Overview
- 12.2 Bargaining Power of Buyers
- 12.3 Bargaining Power of Suppliers
- 12.4 Degree of Competition
- 12.5 Threat of New Entrants
- 12.6 Threat of Substitutes

13 PRICE ANALYSIS

14 COMPETITIVE LANDSCAPE

- 14.1 Market Structure
- 14.2 Key Players
- 14.3 Profiles of Key Players
 - 14.3.1 Albemarle Corporation
 - 14.3.1.1 Company Overview
 - 14.3.1.2 Product Portfolio
 - 14.3.1.3 Financials
 - 14.3.1.4 SWOT Analysis
 - 14.3.2 BP Plc
 - 14.3.2.1 Company Overview
 - 14.3.2.2 Product Portfolio
 - 14.3.2.3 Financials
 - 14.3.2.4 SWOT Analysis
 - 14.3.3 Chevron Corporation
 - 14.3.3.1 Company Overview
 - 14.3.3.2 Product Portfolio
 - 14.3.3.3 Financials

- 14.3.3.4 SWOT Analysis
- 14.3.4 Emery Oleochemicals
 - 14.3.4.1 Company Overview
 - 14.3.4.2 Product Portfolio
- 14.3.5 Exxon Mobil Corporation
 - 14.3.5.1 Company Overview
 - 14.3.5.2 Product Portfolio
 - 14.3.5.3 Financials
 - 14.3.5.4 SWOT Analysis
- 14.3.6 Fuchs Petrolub SE
 - 14.3.6.1 Company Overview
 - 14.3.6.2 Product Portfolio
 - 14.3.6.3 Financials
 - 14.3.6.4 SWOT Analysis
- 14.3.7 Klüber Lubrication München SE & Co. KG (Freudenberg Chemical Specialities SE & Co. KG)
 - 14.3.7.1 Company Overview
 - 14.3.7.2 Product Portfolio
- 14.3.8 Panolin AG
 - 14.3.8.1 Company Overview
 - 14.3.8.2 Product Portfolio
- 14.3.9 Polnox Corporation
 - 14.3.9.1 Company Overview
 - 14.3.9.2 Product Portfolio
- 14.3.10 Quaker Chemical Corporation
 - 14.3.10.1 Company Overview
 - 14.3.10.2 Product Portfolio
 - 14.3.10.3 Financials
 - 14.3.10.4 SWOT Analysis
- 14.3.11 Royal Dutch Shell PLC
 - 14.3.11.1 Company Overview
 - 14.3.11.2 Product Portfolio
 - 14.3.11.3 Financials
- 14.3.12 Total SE
 - 14.3.12.1 Company Overview
 - 14.3.12.2 Product Portfolio
 - 14.3.12.3 Financials
 - 14.3.12.4 SWOT Analysis

List Of Tables

LIST OF TABLES

Table 1: Global: Bio-lubricants Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Bio-lubricants Market Forecast: Breakup by Base Oil Type (in Million US\$), 2023-2028

Table 3: Global: Bio-lubricants Market Forecast: Breakup by Application (in Million US\$), 2023-2028

Table 4: Global: Bio-lubricants Market Forecast: Breakup by End Use Industry (in Million US\$), 2023-2028

Table 5: Global: Bio-lubricants Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 6: Global: Bio-lubricants Market: Competitive Structure

Table 7: Global: Bio-lubricants Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Bio-lubricants Market: Major Drivers and Challenges

Figure 2: Global: Bio-lubricants Market: Sales Value (in Billion US\$), 2017-2022

Figure 3: Global: Bio-lubricants Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 4: Global: Bio-lubricants Market: Breakup by Base Oil Type (in %), 2022

Figure 5: Global: Bio-lubricants Market: Breakup by Application (in %), 2022

Figure 6: Global: Bio-lubricants Market: Breakup by End Use Industry (in %), 2022

Figure 7: Global: Bio-lubricants Market: Breakup by Region (in %), 2022

Figure 8: Global: Bio-lubricants (Vegetable Oils) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 9: Global: Bio-lubricants (Vegetable Oils) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 10: Global: Bio-lubricants (Animal Fats) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 11: Global: Bio-lubricants (Animal Fats) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 12: Global: Bio-lubricants (Hydraulic Fluids) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 13: Global: Bio-lubricants (Hydraulic Fluids) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 14: Global: Bio-lubricants (Metalworking Fluids) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 15: Global: Bio-lubricants (Metalworking Fluids) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 16: Global: Bio-lubricants (Chainsaw Oils) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 17: Global: Bio-lubricants (Chainsaw Oils) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 18: Global: Bio-lubricants (Mold Release Agents) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 19: Global: Bio-lubricants (Mold Release Agents) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 20: Global: Bio-lubricants (Two-Cycle Engine Oils) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 21: Global: Bio-lubricants (Two-Cycle Engine Oils) Market Forecast: Sales Value

(in Million US\$), 2023-2028

Figure 22: Global: Bio-lubricants (Gear Oils and Greases) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 23: Global: Bio-lubricants (Gear Oils and Greases) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 24: Global: Bio-lubricants (Others) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 25: Global: Bio-lubricants (Others) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 26: Global: Bio-lubricants (Power Generation) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 27: Global: Bio-lubricants (Power Generation) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 28: Global: Bio-lubricants (Automotive) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 29: Global: Bio-lubricants (Automotive) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 30: Global: Bio-lubricants (Heavy Equipment) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 31: Global: Bio-lubricants (Heavy Equipment) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 32: Global: Bio-lubricants (Food & Beverage) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 33: Global: Bio-lubricants (Food & Beverage) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 34: Global: Bio-lubricants (Metallurgy & Metalworking) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 35: Global: Bio-lubricants (Metallurgy & Metalworking) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 36: Global: Bio-lubricants (Chemical Manufacturing) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 37: Global: Bio-lubricants (Chemical Manufacturing) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 38: Global: Bio-lubricants (Others) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 39: Global: Bio-lubricants (Others) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 40: North America: Bio-lubricants Market: Sales Value (in Million US\$), 2017 & 2022

Figure 41: North America: Bio-lubricants Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 42: United States: Bio-lubricants Market: Sales Value (in Million US\$), 2017 & 2022

Figure 43: United States: Bio-lubricants Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 44: Canada: Bio-lubricants Market: Sales Value (in Million US\$), 2017 & 2022

Figure 45: Canada: Bio-lubricants Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 46: Asia-Pacific: Bio-lubricants Market: Sales Value (in Million US\$), 2017 & 2022

Figure 47: Asia-Pacific: Bio-lubricants Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 48: China: Bio-lubricants Market: Sales Value (in Million US\$), 2017 & 2022

Figure 49: China: Bio-lubricants Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 50: Japan: Bio-lubricants Market: Sales Value (in Million US\$), 2017 & 2022

Figure 51: Japan: Bio-lubricants Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 52: India: Bio-lubricants Market: Sales Value (in Million US\$), 2017 & 2022

Figure 53: India: Bio-lubricants Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 54: South Korea: Bio-lubricants Market: Sales Value (in Million US\$), 2017 & 2022

Figure 55: South Korea: Bio-lubricants Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 56: Australia: Bio-lubricants Market: Sales Value (in Million US\$), 2017 & 2022

Figure 57: Australia: Bio-lubricants Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 58: Indonesia: Bio-lubricants Market: Sales Value (in Million US\$), 2017 & 2022

Figure 59: Indonesia: Bio-lubricants Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 60: Others: Bio-lubricants Market: Sales Value (in Million US\$), 2017 & 2022

Figure 61: Others: Bio-lubricants Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 62: Europe: Bio-lubricants Market: Sales Value (in Million US\$), 2017 & 2022

Figure 63: Europe: Bio-lubricants Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 64: Germany: Bio-lubricants Market: Sales Value (in Million US\$), 2017 & 2022

Figure 65: Germany: Bio-lubricants Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 66: France: Bio-lubricants Market: Sales Value (in Million US\$), 2017 & 2022

Figure 67: France: Bio-lubricants Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 68: United Kingdom: Bio-lubricants Market: Sales Value (in Million US\$), 2017 & 2022

Figure 69: United Kingdom: Bio-lubricants Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 70: Italy: Bio-lubricants Market: Sales Value (in Million US\$), 2017 & 2022

Figure 71: Italy: Bio-lubricants Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 72: Spain: Bio-lubricants Market: Sales Value (in Million US\$), 2017 & 2022

Figure 73: Spain: Bio-lubricants Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 74: Russia: Bio-lubricants Market: Sales Value (in Million US\$), 2017 & 2022

Figure 75: Russia: Bio-lubricants Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 76: Others: Bio-lubricants Market: Sales Value (in Million US\$), 2017 & 2022

Figure 77: Others: Bio-lubricants Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 78: Latin America: Bio-lubricants Market: Sales Value (in Million US\$), 2017 & 2022

Figure 79: Latin America: Bio-lubricants Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 80: Brazil: Bio-lubricants Market: Sales Value (in Million US\$), 2017 & 2022

Figure 81: Brazil: Bio-lubricants Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 82: Mexico: Bio-lubricants Market: Sales Value (in Million US\$), 2017 & 2022

Figure 83: Mexico: Bio-lubricants Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 84: Others: Bio-lubricants Market: Sales Value (in Million US\$), 2017 & 2022

Figure 85: Others: Bio-lubricants Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 86: Middle East and Africa: Bio-lubricants Market: Sales Value (in Million US\$), 2017 & 2022

Figure 87: Middle East and Africa: Bio-lubricants Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 88: Middle East and Africa: Bio-lubricants Market: Breakup by Country (in %),

2022

Figure 89: Global: Bio-lubricants Industry: SWOT Analysis

Figure 90: Global: Bio-lubricants Industry: Value Chain Analysis

Figure 91: Global: Bio-lubricants Industry: Porter's Five Forces Analysis

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