



Freedonia Focus Reports
US Collection

Lubricants: United States

August 2018



CLICK TO ORDER
FULL REPORT **BROCHURE** CLICK TO ORDER
FULL REPORT

www.freedoniafocusreports.com

Table of Contents

1. Highlights	3
2. Market Environment	5
Historical Trends	5
Key Economic Indicators	8
Environmental & Regulatory Factors	9
Motor Vehicle Lubricant Classification & Testing	12
Pricing Trends	14
3. Segmentation & Forecasts	16
Products	16
Engine Oils	17
Transmission & Hydraulic Fluids	18
Process Oils	18
Metalworking Fluids	19
General Industrial Oils	20
Gear Oils	21
Greases	21
Markets	23
Light Vehicles	24
Commercial & Industrial	25
Nondurable Goods Manufacturing	26
Transportation Equipment	26
Durable Goods Manufacturing	27
4. Industry Structure	29
Industry Characteristics	29
Market Share	30
Shell	31
Exxon Mobil	32
Chevron	32
5. About This Report	34
Scope	34
Sources	34
Industry Codes	35
Freedonia Methodology	35
Resources	37

List of Tables & Figures

Figure 1 Key Trends in the US Lubricant Market, 2017 – 2022	4
Figure 2 US Lubricant Demand Trends, 2007 – 2017	6
Table 1 Key Indicators for US Lubricant Demand, 2007 – 2022 (2009US\$ bil)	8
Figure 3 US Lubricant Demand by Product, 2007 – 2022 (mil gal)	16
Table 2 US Lubricant Demand by Product, 2007 – 2022 (mil gal)	16
Figure 4 US Lubricant Demand by Product, 2007 – 2022 (%)	21
Figure 5 US Lubricant Demand by Market, 2007 – 2022 (mil gal)	23
Table 3 US Lubricant Demand by Market, 2007 – 2022 (mil gal)	23
Figure 6 US Lubricant Demand by Market, 2007 – 2022 (%)	27
Figure 7 US Lubricant Market Share by Company, 2017 (%)	30
Table 4 Leading Suppliers to the US Lubricant Market by Type	31
Table 5 NAICS & SIC Codes Related to Lubricants	35

About This Report

Scope

This report forecasts to 2022 US lubricant demand in gallons. Total demand is segmented by product in terms of:

- engine oils
- transmission and hydraulic fluids
- process oils
- metalworking fluids
- general industrial oil
- gear oils
- greases

Total demand is also segmented by market as follows:

- light vehicles
- commercial and industrial
- nondurable goods manufacturing
- transportation equipment
- durable goods manufacturing

To illustrate historical trends, total demand is provided in annual series from 2007 to 2017; the various segments are reported at five-year intervals for 2007, 2012, and 2017.

Key macroeconomic indicators are also provided with quantified trends. Other various topics, including profiles of pertinent leading suppliers, are covered in this report. A full outline of report items by page is available in the Table of Contents.

Sources

Lubricants: United States (FF35022) is based on *Lubricants in the US*, a comprehensive industry study published by The Freedonia Group. Reported findings represent the synthesis and analysis of data from various primary, secondary, macroeconomic, and demographic sources including:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- national, regional, and international non-governmental organizations
- trade associations and their publications
- the business and trade press

About This Report

- indicator forecasts by The Freedonia Group
- the findings of other reports and studies by The Freedonia Group

Specific sources and additional resources are listed in the Resources section of this publication for reference and to facilitate further research.

Industry Codes

Table 5 | NAICS & SIC Codes Related to Lubricants

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industrial Classification	
324191	Petroleum Lubricating Oil and Grease Manufacturing	2865	Cyclic Organic Crudes and Intermediates, and Organic Dyes and Pigments
324199	All Other Petroleum and Coal Products Manufacturing	2869	Industrial Organic Chemicals, Not Elsewhere Classified
325110	Petrochemical Manufacturing	2899	Chemicals and Chemical Preparations, Not Elsewhere Classified
325199	All Other Basic Organic Chemical Manufacturing	2992	Lubricating Oils and Greases
		2999	Products of Petroleum and Coal, Not Elsewhere Classified

Source: US Census Bureau

Freedonia Methodology

The Freedonia Group, a subsidiary of MarketResearch.com, has been in business for more than 30 years and in that time has developed a comprehensive approach to data analysis that takes into account the variety of industries covered and the evolving needs of our customers.

Every industry presents different challenges in market sizing and forecasting, and this requires flexibility in methodology and approach. Freedonia methodology integrates a variety of quantitative and qualitative techniques to present the best overall picture of a market's current position as well as its future outlook: When published data are available, we make sure they are correct and representative of reality. We understand that published data often have flaws either in scope or quality, and adjustments are made accordingly. Where no data are available, we use various methodologies to develop market sizing (both top-down and bottom-up) and then triangulate those results to come up with the most accurate data series possible. Regardless of approach, we also talk to industry participants to verify both historical perspective and future growth opportunities.

Methods used in the preparation of Freedonia market research include, but are not limited to, the following activities: comprehensive data mining and evaluation, primary research, consensus forecasting and analysis, ratio analysis using key indicators, regression analysis, end use growth indices and intensity factors, purchase power parity adjustments for global

About This Report

data, consumer and end user surveys, market share and corporate sales analysis, product lifespan analysis, product or market life cycle analysis, graphical data modeling, long-term historical trend analysis, bottom-up and top-down demand modeling, and comparative market size ranking.

Freedonia quantifies trends in various measures of growth and volatility. Growth (or decline) expressed as an average annual growth rate (AAGR) is the least squares growth rate, which takes into account all available datapoints over a period. The volatility of datapoints around a least squares growth trend over time is expressed via the coefficient of determination, or r^2 . The most stable data series relative to the trend carries an r^2 value of 1.0; the most volatile – 0.0. Growth calculated as a compound annual growth rate (CAGR) employs, by definition, only the first and last datapoints over a period. The CAGR is used to describe forecast growth, defined as the expected trend beginning in the base year and ending in the forecast year. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

Copyright & Licensing

The full report is protected by copyright laws of the United States of America and international treaties. The entire contents of the publication are copyrighted by The Freedonia Group.

Resources

The Freedonia Group

Lubricants in the US, August 2018

Freedonia Industry Studies

Global Motorcycles, May 2018

Commercial Refrigeration Equipment in the US, April 2018

Recreational Vehicles in the US, April 2018

Recreational Boating in the US, March 2018

Global Industrial Lubricants, March 2018

Construction Chemicals in the US, February 2018

Automotive Lubricants Market in Canada, February 2018

Automotive Lubricants Market in India, February 2018

Global Industrial Rubber Products Market, February 2018

North American Medium- & Heavy-Duty Truck Aftermarket, February 2018

Automotive Lubricants Market in Malaysia, January 2018

Freedonia Focus Reports

Crude Petroleum: United States

Fabricated Metal Products: United States

Global Plastics Processing Machinery

Global Power Lawn & Garden Equipment

Manufacturing: United States

Refined Petroleum Products: United States

Freedonia Custom Research

Trade Publications

The BioJournal

Hydraulics & Pneumatics

ILMA Digest

Lubes'N'Greases

Lubrizol Additives 360

Machinery Lubrication Magazine

National Oil & Lube News

OEM/Lube News

Agencies & Associations

American Association of Railroads

Independent Lubricant Manufacturers' Association

United States Army Corps of Engineers

About This Report

United States Bureau of Labor Statistics
United States Bureau of Transportation Statistics
United States Census Bureau
United States Department of Agriculture
United States Energy Information Administration
United States Environmental Protection Agency
United States Federal Aviation Administration
United States Federal Highway Administration
United States International Trade Commission