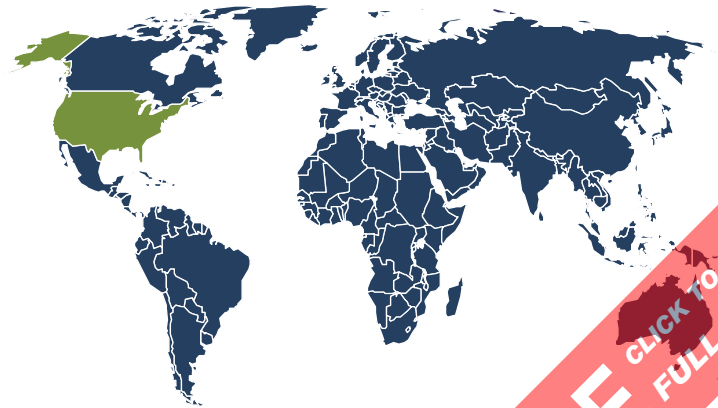




Freedonia Focus Reports  
US Collection

# Lubricants: United States

April 2016



## Highlights

### Market Environment

Historical Trends | Key Economic Indicators | Trade  
Environmental and Regulatory Factors | Formulation Overview

### Segmentation and Forecasts

Types | Markets

### Industry Structure

Industry Composition and Characteristics | Additional Companies Cited

### Resources

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## ABOUT THIS REPORT

### Scope & Method

This report forecasts US lubricant demand and production in gallons to 2020. Total demand is segmented by type in terms of:

- engine oils
- transmission and hydraulic fluids
- process oils
- metalworking fluids
- other types such as general industrial oils, gear oils, and greases.

Total demand is also segmented by market as follows:

- light vehicle
- commercial/industrial
- nondurable goods manufacturing
- transportation equipment
- durable goods manufacturing.

Lubricants used in factory-fill applications for light vehicles and other transportation equipment (ie, the initial fill of vehicle lubricant sumps) are allocated to their corresponding end use markets rather than the durable goods manufacturing section. Synthetic finished lubricants are defined to include any product marketed as synthetic, including lubricants formulated with Group III petroleum base oils. Biobased lubricants include all lubricants derived from renewable biological sources, including animal and vegetable oils as well as lubricants produced from biomass (eg, algal).

To illustrate historical trends, total demand is provided in an annual series from 2005 to 2015; production is reported at five-year intervals for 2005, 2010, and 2015; and the various segments are reported at five-year intervals for 2010 and 2015.

This report quantifies trends in various measures of growth. 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. 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.

Key macroeconomic indicators are also provided at five-year intervals with CAGRs for the years corresponding to other reported figures. 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](#), a comprehensive industry study published by The Freedonia Group in April 2016. 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
- indicator forecasts by The Freedonia Group
- the findings of other industry 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

The topic of this report is related to the following industry codes:

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industry Codes	
324110	Petroleum Refineries	2869	Industrial Organic Chemicals, NEC
324191	Petroleum Lubricating Oil and Grease Mfg	2899	Chemicals and Chemical Preparations, NEC
325199	All Other Basic Organic Chemical Mfg	2911	Petroleum Refining
325998	All Other Miscellaneous Chemical Product and Preparation Mfg	2992	Lubricating Oils and Greases

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## RESOURCES

### The Freedonia Group

3394 <i>Lubricants</i> , April 2016	<a href="http://www.freedoniagroup.com">www.freedoniagroup.com</a>
Related Industry Studies	<a href="#">see study contents</a>
3381 <i>World Rubber</i> , February 2016	<a href="#">see study contents</a>
3364 <i>World Lubricants</i> , December 2015	<a href="#">see study contents</a>
3340 <i>Power Lawn &amp; Garden Equipment</i> , December 2015	<a href="#">see study contents</a>
3352 <i>Oilfield Chemicals</i> , November 2015	<a href="#">see study contents</a>
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<i>Drilling Products &amp; Services: United States</i>	<a href="#">see report contents</a>
<i>Motor Vehicles: United States</i>	<a href="#">see report contents</a>
<i>Refined Petroleum Products: United States</i>	<a href="#">see report contents</a>
<i>World Lubricants</i>	<a href="#">see report contents</a>
<i>World Oilfield Chemicals</i>	<a href="#">see report contents</a>
Freedonia Custom Research	<a href="#">see capabilities</a>

### Trade Publications

<i>IHS Chemical Week</i>	<a href="http://www.chemweek.com">www.chemweek.com</a>
<i>Lubes 'n' Greases</i>	<a href="http://www.lubesngreases.com">www.lubesngreases.com</a>
<i>National Oil &amp; Lube News</i>	<a href="http://www.noln.net">www.noln.net</a>
<i>Oil &amp; Gas Journal</i>	<a href="http://www.ogj.com">www.ogj.com</a>

### Agencies & Associations

American Petroleum Institute	<a href="http://www.api.org">www.api.org</a>
ASTM International	<a href="http://www.astm.org">www.astm.org</a>
Independent Lubricant Manufacturers Association	<a href="http://www.ilma.org">www.ilma.org</a>
Internat'l Lubricant Standardization and Approval Committee	<a href="http://www.oilspecifications.org">www.oilspecifications.org</a>
SAE International	<a href="http://www.sae.org">www.sae.org</a>
United States Census Bureau	<a href="http://www.census.gov">www.census.gov</a>
United States Department of Agriculture	<a href="http://www.usda.gov">www.usda.gov</a>
United States Department of Labor	<a href="http://www.dol.gov">www.dol.gov</a>
Mine Safety and Health Administration	<a href="http://www.msha.gov">www.msha.gov</a>
Occupational Safety and Health Administration	<a href="http://www.osha.gov">www.osha.gov</a>
United States Energy Information Administration	<a href="http://www.eia.gov">www.eia.gov</a>
United States Environmental Protection Agency	<a href="http://www.epa.gov">www.epa.gov</a>
United States Food and Drug Administration	<a href="http://www.fda.gov">www.fda.gov</a>
United States International Trade Commission	<a href="http://www.usitc.gov">www.usitc.gov</a>

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