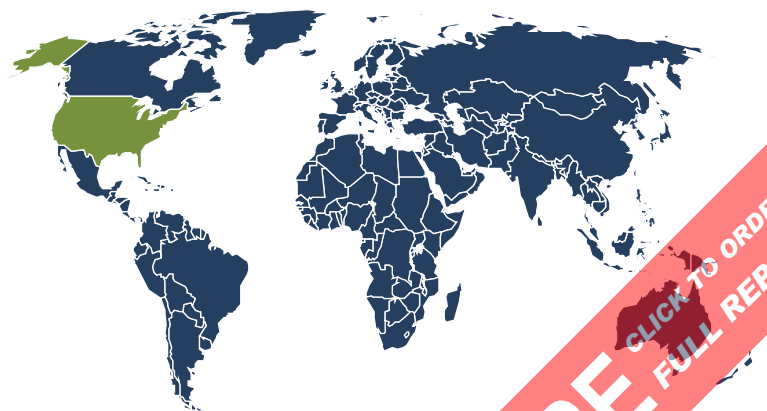




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US Collection

Synthetic Lubricants & Functional Fluids: United States

January 2017



Highlights

Market Environment

Historical Trends | Key Economic Indicators | Competitive Products
Environmental and Regulatory Factors | Materials Overview

Segmentation and Forecasts

Products | Markets

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ABOUT THIS REPORT

Scope & Method

This report forecasts US synthetic lubricants and functional fluids demand in gallons and US dollars at the manufacturers' level to 2020. Total demand in gallons is segmented by product in terms of:

- engine coolant
- engine oils
- transmission & hydraulic fluids
- heat transfer fluids
- other products such as metalworking fluids, electrical oils, and gear oils.

The scope of this report is restricted to products that are liquid under standard conditions; that is, gases (such as refrigerants) and grease are excluded. Product ingredients (eg, process oils), fluids consumed in use, and reagents in chemical processes (including solvents) are not included. In this report, the term “synthetic” is defined to include formulated products marketed as synthetic, including those using basestocks from American Petroleum Institute base oil Groups III, IV, and V. Partially synthetic or “semi-synthetic” lubricants are also discussed, but are not included in the market totals.

Total demand in value terms is segmented by market as follows:

- automotive
- metal processing
- energy and power generation
- industrial equipment
- other market such as process industries, aerospace equipment, and medical equipment.

To illustrate historical trends, total demand in both volume and value terms is provided in annual series from 2005 to 2015; 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

Synthetic Lubricants & Functional Fluids: United States (FF35075) is based on [Synthetic Lubricants & Functional Fluids Market in the US](#), a comprehensive industry study published by The Freedonia Group in January 2017. 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

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3478 Synthetic Lubricants & Functional Fluids Market in the US, January 2017 [see study contents](#)

Related Industry Studies

3457 Biocides Market in the US, December 2016 [see study contents](#)

3448 Specialty Surfactants, August 2016 [see study contents](#)

3429 Solvents, July 2016 [see study contents](#)

3409 Corrosion Inhibitors, April 2016 [see study contents](#)

3394 Lubricants, April 2016 [see study contents](#)

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<http://cen.acs.org>

Heavy Duty Trucking

www.truckinginfo.com

ICIS

www.icis.com

IHS Chemical Week

www.chemweek.com

Lubes 'n' Greases

www.lubesngreases.com

Machinery Lubrication

www.machinerylubrication.com

Metalworking Fluid

www.metalworkingfluid.com

Agencies & Associations

American Petroleum Institute

www.api.org

International Lubricant Standardization and Approval Committee

www.oilspecifications.org

Occupational Safety and Health Administration

www.osha.gov

SAE International

www.sae.org

United States Census Bureau

www.census.gov

United States Department of Agriculture

www.usda.gov

United States Environmental Protection Agency

www.epa.gov

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United States International Trade Commission

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