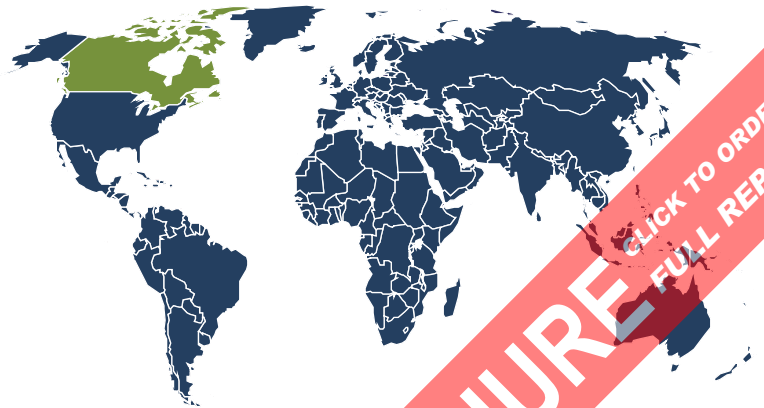


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Industrial Lubricants: Canada

March 2018



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About This Report

Scope & Method

This report forecasts to 2021 industrial lubricant demand in metric tons in Canada. Total demand is segmented by product in terms of:

- process oils
- metalworking fluids
- engine oils
- hydraulic fluids
- general industrial oils
- gear oils
- greases

Total demand is also segmented by market as follows:

- manufacturing
- transportation equipment
- other markets such as power generation, oil and gas production, and mining

To illustrate historical trends, total demand is provided in annual series from 2006 to 2016; the various segments are reported at five-year intervals for 2006, 2011, and 2016.

Automotive lubricants – including products used in motor vehicles, off-highway equipment, motorcycles, three-wheelers, recreational vehicles and watercraft, and power lawn and garden equipment – are not included in this report. The mining and agriculture industries require both industrial and automotive lubricants. This report excludes lubricants utilized in the motor vehicle applications in those industries (e.g., tractors and dump trucks), but includes all other lubricants.

For the sake of continuity, transportation equipment refers only to marine, railroad, and aerospace equipment. Motor vehicle production machinery lubricants are included in the manufacturing market.

This report 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

About This Report

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 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

Industrial Lubricants: Canada (FA35116) is based on *Global Industrial Lubricants*, 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
- 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 | Industry Codes Related to Industrial Lubricants

| NAICS/SCIAN 2007 | | SIC | |
|---|--|------------------------------------|--|
| North American Industry Classification System | | Standard Industrial Classification | |
| 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 |

Source: US Census Bureau

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Resources

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Global Industrial Lubricants, March 2018

Freedonia Industry Studies

Automotive Lubricants Market in Canada, February 2018

Automotive Lubricants Market in India, February 2018

Automotive Lubricants Market in Malaysia, January 2018

Automotive Lubricants Market in the UK, January 2018

Global Plastics Processing Machinery, January 2018

Global Automotive Lubricants, December 2017

Global 3D Printing Markets, October 2017

Global Food Processing Machinery, September 2017

Drilling Fluids & Chemicals Market in the US, May 2017

Synthetic Lubricants & Functional Fluids Market in the US, January 2017
Lubricants, April 2016

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Mining & Quarrying: United States

Plastics Processing Machinery: Canada

Refined Petroleum Products: United States

Synthetic Lubricants & Functional Fluids: United States

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International Lubricants Standardization and Approval Committee

International Maritime Organization

International Organization for Standardization

International Rubber Study Group

NSF International

Organisation for Economic Co-operation and Development

Statistics Canada

United Nations Comtrade

United States Census Bureau

United States Environmental Protection Agency

World Bank