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Industry Studies • Custom Research • Focus Reports

NEW US industry forecasts for 2020 & 2025

Lubricants

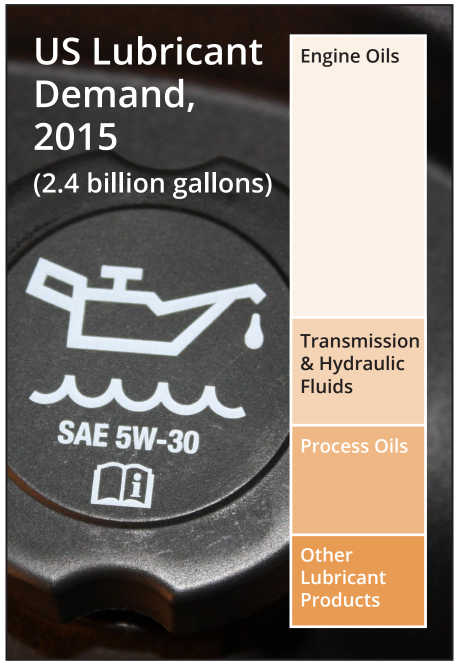
Study # 3394 | April 2016 | $5400

US demand to approach 2.5 billion gallons in 2020

US demand for lubricants will rise slowly to nearly 2.5 billion gallons in 2020, with advances in industrial applications offsetting continued declines in light vehicle lubricant demand. Despite its maturity, the US lubricant industry will continue to experience significant change. The introduction of new standards and technologies, evolving regulatory requirements, and increasing customer demands for longer lasting, high performance products will all have an impact on base stock selection and supply, product formulation, and consumption trends. In general, growth in the US lubricant industry will be broad-based, with all major product types experiencing increases despite the trend toward lengthening fluid change intervals.

Motor vehicle market to continue declining

The US motor vehicle industry is undergoing a period of technological innovation and development, driven in part by federal regulations that require vehicle manufacturers to increase the fuel efficiency of their fleets. New smaller, but still more powerful engines will increasingly require engine oils made from advanced basestocks and additive packages. At the same time, vehicle manufacturer efforts to reduce maintenance needs by lengthening



engine oil and transmission fluid drain intervals will have a dampening effect on lubricant demand. This will be most apparent in the light vehicle market where declines in lubricant consumption will continue throughout the forecast period. However, these trends will also restrain demand growth in the medium- and heavy-duty, as well as off-road, vehicle markets.

Commercial, industrial markets to fare better

Lubricant demand in commercial and industrial applications will fare better, with efficiency improvements offset by higher output levels. At the same time, advances in manufacturing processes will require lubricants that can stand up to more severe operating environments. While this will lead to the increased adoption of more advanced API Group II and III, as well as synthetic, basestocks, lubricant formulators will also need to contend with federal efforts to further restrict and remove from market the use of chlorinated paraffins.

Process oils to have best growth prospects

From a product perspective, process oils will have the best growth prospects based on their direct consumption during the production process. Metalworking fluids will also experience above average growth, reflecting continued gains in motor vehicle production and the manufacturing sector as a whole. Many products will also increasingly make use of re-refined and biobased basestocks, reflecting state and federal efforts to increase the environmental friendliness of the lubricant industry.

Study coverage

This upcoming Freedonia industry study, ***Lubricants***, is priced at $5400. It presents historical demand data (2005, 2010 and 2015) and forecasts (2020 and 2025) by basestock, formulation, product and market. The study also considers market environment factors, details the industry structure, evaluates company market share and profiles 39 US industry competitors.

Preliminary Table of Contents/ List of Tables & Charts

NEW Industry Study with Forecasts for 2020 & 2025

#3394 - Lubricants

INDUSTRY STRUCTURE

Company Profiles

COMPANY PROFILES
Profiles for 39 US industry competitors such as Ashland, BP, Chevron, Exxon Mobil, Phillips 66 & Royal Dutch Shell

PRODUCTS

Transmission & Hydraulic Fluids

Dema... 5 percent annually to ... owth during 2010 ... ns, resulting fro... cturing outlook driv... rowth in the produ... , will further supp... nt of longer-lasting lubricants will restrict growth, as the trend toward extended drain intervals and lube-for-life products persists.

SAMPLE PAGE
Explanations that support each table's numbers & projections

Transmission and hydraulic fluids include a number of lubricant products with substantially different formulations and intended end uses; however, products included here have in common that they are used for hydraulic power transmission, often among other functions. (Gear oils and manual transmission fluids, the primary purpose of which is to protect and lubricate, are covered separately from these products.)

Automotive-type transmission and hydraulic fluids are comprised mainly of automatic transmission fluids, tractor hydraulic/transmission fluids, and miscellaneous products such as power steering and shock absorber fluids. In addition to acting as a hydraulic power transfer medium, these products must protect surfaces from wear, minimize pumping and churning losses, resist foaming and emulsification with water, and prevent rust and corrosion. They are also formulated to resist thinning at high temperatures and thickening at low temperatures. Industrial hydraulic fluids include conventional hydraulic fluids as well as more specialized products, such as synthetic fire-resistant fluids. These lubricants serve similar roles as automotive hydraulic fluids, though they are often used in larger hydraulic systems and face somewhat different demands on their specific performance characteristics.

MARKETS

have limited the use of biodegradable lubricants in the past, and their increased utilization will depend on developments i...

Technological advances in farm ma... nization of equipment and higher engine ... that provides greater protection against w... order to meet these demands, tractor equi... use of lower viscosity lubricants that offe... tures, especially for cold climate applicati... mand on gears and requires increased anti... Suppliers of lubricants for agricultural ap... (Martin Resource Management), Exxon Mobil, Phillips 66, Shell (Netherlands), and Warren Oil. The industry is quite fragmented due to the varying needs for different types and qualities of lubricants as well as because lubricants are generally purchased by individual farm owners from local distributors and retailers.

SAMPLE TEXT
Data illustrated with the aid of more than 100 tables & charts

TABLE V-7

AGRICULTURAL LUBRICANT DEMAND
(million gallons)

Item	2005	2010	2015	2020	2025
Cropland Planted (mil acres)					
gal lubricant/acre cropland					
Agricultural Lubricant Demand					
Transmission & Hydraulic Fluids					
Process Oils					
Engine Oils					
Other Lubricants					
% agricultural					
Commercial & Industrial Lubricants					

SAMPLE TABLE
Presents historical data (2005, 2010, 2015) as well as Freedonia forecasts for 2020 & 2025

Freedonia's methods involve:

- Establishing consistent economic & market forecasts
- Using input/output ratios, flow charts & other economic methods to quantify data
- Employing in-house analysts who meet stringent quality standards
- Interviewing key industry participants, experts & end users
- Researching a proprietary database that includes trade publications, government reports & corporate literature
- Accessing internal proprietary databases

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World Lubricants

World demand for lubricants will rise 2.0 percent annually to 45.4 million metric tons in 2019. Growth will be supported by increasing demand for engine oils in new motor vehicles, but will be tempered by longer drain intervals that slow the engine oil aftermarket. The Asia/Pacific market will grow the fastest. This study analyzes the 41.1 million metric ton world lubricant industry, with forecasts for 2019 and 2024 by formulation, product and market for six world regions and 23 major countries. The study also evaluates company market share and profiles industry players.

#3364............ December 2015 .... $6500

Waxes

US demand for waxes will rise 1.8 percent annually through 2019 to three billion pounds, with value demand reaching $3.2 billion. Petroleum and mineral waxes will remain the dominant types, while synthetic waxes will grow the fastest. The leading industrial market will provide the best opportunities, particularly in the production of coatings and inks, adhesives, and building boards. This study analyzes the $2.4 billion US wax industry, with forecasts for 2019 and 2024 by type and market. The study also evaluates company market share and profiles industry players.

#3271................. May 2015 .... $5200

Surfactants

US demand for surfactants will rise 3.2 percent per year to 10.9 billion pounds in 2018, valued at $14.4 billion. Industrial markets will grow the fastest, benefiting specialty surfactants the most. Personal care products will also offer good market opportunities, led by surfactants that are gentle on skin and hair and are environmentally sustainable. This study analyzes the 9.3 billion pound US surfactants industry, with forecasts for 2018 and 2023 by market and product. The study also evaluates company market share and profiles industry participants.

#3247............... January 2015 .... $5200

Synthetic Lubricants & Functional Fluids

US synthetic lubricant and functional fluid demand will rise 6.8 percent yearly to $6.3 billion in 2018. Engine oils will account for the largest share of gains, while Group III base oils will remain the fastest growing type. The energy and power generation, automotive equipment, and industrial machinery markets will grow the fastest. This study analyzes the $4.6 billion US synthetic lubricant and functional fluid industry, with forecasts for 2018 and 2023 by product, material and market. The study also evaluates company market share and profiles industry competitors.

#3187................August 2014................. $5200

World Biofuels

World demand for biofuels is expected to expand at a 3.6 percent annual pace, reaching 115 million metric tons in 2018. North America and Central and South America will remain the largest regional markets, while the Asia/Pacific region grows the strongest from a relatively small base. Bioethanol will remain the leading biofuel. This study analyzes the 96.3 million metric ton global biofuel industry, with forecasts for 2018 and 2023 by product, world region, and for 22 countries. The study also evaluates company market share and profiles industry participants.

#3179................August 2014................. $6200

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