

Lubricant Anti-wear Agents Market by Type (ZDDP, Phosphate, Phosphite, Phosphonate) by Application (Engine Oil, Automotive Gear Oil, Automotive Transmission Fluid, Hydraulic oil, Metalworking Fluid, Grease) and Region - Global forecast to 2025

<https://marketpublishers.com/r/L8FF325EAEC4EN.html>

Date: December 2020

Pages: 214

Price: US\$ 4,950.00 (Single User License)

ID: L8FF325EAEC4EN

Abstracts

The global lubricant anti-wear agents market size is projected to grow from USD 698 million in 2020 to USD 784 million by 2025, at a CAGR of 2.4% from 2020 to 2025. The growing demand for high-passenger and commercial vehicles in the automotive industry is driving the lubricant anti-wear agents industry growth as well as the rising GDP in the Asia Pacific. The increasing inclination toward electric vehicles and environmental concerns is restraining the growth of the market.

The zinc dialkyl dithiophosphate (ZDDP) lubricant anti-wear agents segment, by type, is projected to have the largest market share

Zinc dialkyl dithiophosphate (ZDDP) is a family of uncharged compounds composed of phosphorus, zinc, and sulfur traces, primarily used as anti-wear additives in lubricants such as gear oil, grease, and motor oil. Zinc dialkyl dithiophosphate has high thermal and hydrolytic stability and forms protective chemical films on metal surfaces which prevents corrosive damage to valve train and bearings. ZDDPs are multifunctional because they provide wear, oxidation, and corrosion protection. Their antioxidant properties prevent soot deposits and formation of sludge on engine components. This additive provides oxidation, copper-lead bearing corrosion, and wear control majorly in diesel and gasoline engines. It is particularly effective under severe temperature and load. Thus, zinc dialkyl dithiophosphate enhances the properties of lubricants and is used in various applications such as engine oil, hydraulic oil, and compressor oil.

The engine oil application segment is projected to lead the global lubricant anti-wear agents market during the forecast period

Based on the application, the engine oil application segment led the lubricant anti-wear agents market in 2019. The growth of this segment can be attributed to the growth of the automotive sector mainly related to passenger cars and commercial vehicles in the developing regions of the world, and the increasing population in APAC is driving the growth of the automotive oil application segment.

Asia Pacific is projected to lead the global lubricant anti-wear agents market during the forecast period

The Asia Pacific region is expected to lead the lubricant anti-wear agents industry from 2020 to 2025 in terms of both value and volume. The demand for lubricant anti-wear agents is increasing in Asia Pacific owing to the growing automotive industry in the region. Also, the increasing GDP in the area is expected to fuel the demand for automobiles; thus, driving the lubricant anti-wear agents market growth. The market in this region is also projected to continue its market dominance in terms of both value and volume, from 2020 to 2025, owing to the and rising industrial activities in the developing countries of the Asia Pacific region.

Profile break-up of primary participants for the report:

By Company Type: Tier 1 – 60%, Tier 2 – 20%, and Tier 3 – 20%

By Designation: C-level Executives – 33%, Directors – 33%, and Managers – 34%

By Region: North America – 20%, Europe – 25%, Asia Pacific – 25%, the Middle East & Africa- 20%, and South America – 10%

Furthermore, as a part of the qualitative analysis of the lubricant anti-wear agents market, the research provides a comprehensive review of drivers, restraints, opportunities, and challenges influencing the growth of the market across the globe. It also discusses competitive strategies adopted by the leading market players such as Afton Chemical (US), BASF SE (Germany), Chevron Oronite (US), Solvay (Belgium), LANXESS (Germany) are some of the leading players operating in the lubricant anti-wear agents market.

Research Coverage:

The report defines segments and projects the size of the lubricant anti-wear agents market based on the type, sales channel, application, and region. It strategically profiles the key players and comprehensively analyzes their market share and core competencies. It also tracks and analyzes competitive developments such as expansions, acquisitions, new product launches, and investments undertaken by them in the market.

Reasons to Buy the Report:

The report is expected to help the market leaders/new entrants in the market by providing them the closest approximations of revenue numbers of the lubricant anti-wear agents market and its segments. This report is also expected to help stakeholders obtain an improved understanding of the competitive landscape of the market, gain insights to improve the position of their businesses and make suitable go-to-market strategies. It also enables stakeholders to understand the pulse of the market and provide them information on key market drivers, restraints, challenges, and opportunities.

Contents

1 INTRODUCTION

1.1 OBJECTIVES OF THE STUDY

1.2 DEFINITION

1.2.1 LUBRICANT ANTI-WEAR AGENTS MARKET, BY TYPE: INCLUSIONS & EXCLUSIONS

TABLE 1 LUBRICANT ANTI-WEAR AGENTS MARKET, BY TYPE: INCLUSIONS & EXCLUSIONS

1.2.2 LUBRICANT ANTI-WEAR AGENTS MARKET, BY APPLICATION: INCLUSIONS & EXCLUSIONS

TABLE 2 LUBRICANT ANTI-WEAR AGENTS MARKET, BY APPLICATION: INCLUSIONS & EXCLUSIONS

1.3 MARKET SCOPE

1.3.1 MARKETS COVERED

1.3.2 REGIONAL SCOPE

1.3.3 YEARS CONSIDERED FOR THE STUDY

1.4 CURRENCY

1.5 LIMITATIONS

1.6 STAKEHOLDERS

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 1 LUBRICANT ANTI-WEAR AGENTS MARKET: RESEARCH DESIGN

2.1.1 SECONDARY DATA

2.1.1.1 Key data from secondary sources

2.1.2 PRIMARY DATA

2.1.2.1 Key data from primary sources

2.1.2.2 Key industry insights

2.1.2.3 Breakdown of primary interviews

2.2 MARKET SIZE ESTIMATION

FIGURE 2 MARKET SIZE ESTIMATION (DEMAND SIDE): LUBRICANT ANTI-WEAR AGENTS MARKET

FIGURE 3 MARKET SIZE ESTIMATION (SUPPLY SIDE): LUBRICANT ANTI-WEAR AGENTS MARKET

2.3 MARKET ENGINEERING PROCESS

2.3.1 BOTTOM-UP APPROACH

FIGURE 4 MARKET SIZE ESTIMATION: BOTTOM-UP APPROACH

2.3.2 TOP-DOWN APPROACH

FIGURE 5 MARKET SIZE ESTIMATION: TOP-DOWN APPROACH

2.4 DATA TRIANGULATION

2.5 ASSUMPTIONS

2.6 LIMITATIONS

3 EXECUTIVE SUMMARY

TABLE 3 LUBRICANT ANTI-WEAR AGENTS MARKET SNAPSHOT

FIGURE 6 ZDDP PROJECTED TO LEAD BASE OIL MARKET DURING FORECAST PERIOD, IN TERMS OF VALUE

FIGURE 7 ENGINE OIL SEGMENT PROJECTED TO LEAD LUBRICANT ANTI-WEAR AGENTS MARKET DURING FORECAST PERIOD

FIGURE 8 ASIA PACIFIC ESTIMATED TO ACCOUNT FOR LARGEST SHARE OF LUBRICANT ANTI-WEAR AGENTS MARKET IN 2020

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES IN THE LUBRICANT ANTI-WEAR AGENTS MARKET

FIGURE 9 INCREASING USE OF ANTI-WEAR AGENTS IN DIFFERENT HIGH-PERFORMANCE ENGINE OILS TO DRIVE GROWTH OF THE MARKET

4.2 LUBRICANT ANTI-WEAR AGENTS MARKET, BY REGION

FIGURE 10 ASIA PACIFIC TO ACCOUNT FOR LARGEST SIZE OF THE LUBRICANT ANTI-WEAR AGENTS MARKET FROM 2020 TO 2025 IN TERMS OF VOLUME

4.3 ASIA PACIFIC LUBRICANT ANTI-WEAR AGENTS MARKET, BY COUNTRY AND APPLICATION

FIGURE 11 ENGINE OIL SEGMENT AND CHINA TO ACCOUNT FOR LARGEST SHARES OF ASIA PACIFIC LUBRICANT ANTI-WEAR AGENTS MARKET IN 2020 IN TERMS OF VOLUME

4.4 LUBRICANT ANTI-WEAR AGENTS MARKET, BY SALES CHANNEL

FIGURE 12 MERCHANT SEGMENT TO ACCOUNT FOR THE LARGER SIZE OF THE LUBRICANT ANTI-WEAR AGENTS MARKET IN 2020 IN TERMS OF VOLUME

4.5 LUBRICANT ANTI-WEAR AGENTS MARKET, BY APPLICATION

FIGURE 13 ENGINE OIL SEGMENT TO ACCOUNT FOR THE LARGEST SIZE OF THE LUBRICANT ANTI-WEAR AGENTS MARKET FROM 2020 TO 2025 IN TERMS OF VOLUME

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 14 LUBRICANT ANTI-WEAR AGENTS MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES

5.2.1 DRIVERS

5.2.1.1 Increasing demand from the automotive sector

FIGURE 15 GLOBAL: COMMERCIAL VEHICLE SALES

TABLE 4 RISE IN THE NUMBER OF MOTOR VEHICLES IN USE

5.2.1.2 High economic growth in the Asia Pacific led by increasing industrial activity

TABLE 5 INDUSTRIAL GROWTH RATE OF EMERGING COUNTRIES IN ASIA PACIFIC (2018)

5.2.2 RESTRAINTS

5.2.2.1 Drive towards alternative fuels

TABLE 6 NUMBER OF NATURAL GAS VEHICLES (NGV) AND STATIONS IN 2019

5.2.2.2 Rising competition from unorganized and fragmented market

5.2.3 OPPORTUNITIES

5.2.3.1 Increasing demand for renewable energy

FIGURE 16 GLOBAL: WIND ENERGY INSTALLED CAPACITY IN MEGAWATT (MW)

5.2.3.2 Increasing market opportunities from BRICS countries

5.2.4 CHALLENGES

5.2.4.1 Fluctuations in prices of crude oil

FIGURE 17 CRUDE OIL PRICES

5.2.4.2 Rising demand for hybrid and electric vehicles

FIGURE 18 GLOBAL: ELECTRIC CAR SALES

5.2.4.3 Impact of COVID-19

5.3 PORTER'S FIVE FORCES ANALYSIS

FIGURE 19 LUBRICANT ANTI-WEAR AGENTS MARKET: PORTER'S FIVE FORCES ANALYSIS

5.3.1 BARGAINING POWER OF SUPPLIERS

5.3.2 BARGAINING POWER OF BUYERS

5.3.3 THREAT OF SUBSTITUTES

5.3.4 THREAT OF NEW ENTRANTS

5.3.5 INTENSITY OF COMPETITIVE RIVALRY

5.4 INDUSTRY OUTLOOK

5.4.1 AUTOMOTIVE INDUSTRY

TABLE 7 SALE OF NEW VEHICLES IN KEY COUNTRIES OF THE ASIA PACIFIC, 2018 (UNITS)

TABLE 8 SALE OF NEW VEHICLES IN KEY COUNTRIES OF NORTH AMERICA, 2018 (UNITS)

TABLE 9 SALE OF NEW VEHICLE IN KEY COUNTRIES OF EUROPE, 2018 (UNITS)

TABLE 10 SALE OF NEW VEHICLES IN KEY COUNTRIES OF SOUTH AMERICA, 2018 (UNITS)

TABLE 11 SALE OF NEW VEHICLES IN KEY COUNTRIES OF THE MIDDLE EAST & AFRICA, 2018 (UNITS)

5.5 VALUE CHAIN ANALYSIS

5.6 TRADE DATA

TABLE 12 LUBRICANT TRADE DATA BY MAJOR COUNTRIES, 2017 (KILOTONS)

5.7 PATENT ANALYSIS

5.8 TRENDS IN AVERAGE SELLING PRICES

TABLE 13 AVERAGE PRICES OF LUBRICANT ANTI-WEAR AGENT TYPES, BY REGION (USD/TON)

5.9 REGULATORY LANDSCAPE

6 COVID-19 IMPACT ON LUBRICANT MARKET ECOSYSTEM

6.1 COVID-19 ECONOMIC ASSESSMENT

FIGURE 20 REVISED GDP FORECASTS FOR SELECT G20 COUNTRIES IN 2020

6.1.1 COVID-19 ECONOMIC IMPACT—SCENARIO ASSESSMENT

FIGURE 21 CRITERIA IMPACTING THE GLOBAL ECONOMY

6.2 CRITICAL COVID-19 FACTORS IMPACTING THE LUBRICANTS MARKET IN 2020

6.3 LUBRICANTS MARKET PROJECTIONS BASED ON DRIVING FACTORS AND COVID-19 IMPACT

6.4 VALUE CHAIN OF LUBRICANTS INDUSTRY

FIGURE 22 LUBRICANTS MARKET: ECOSYSTEM

FIGURE 23 IMPACT OF COVID-19 ON LUBRICANTS - KEY HOTSPOTS OF ACTIVITIES GAINING MOMENTUM

6.5 KEY TAKEAWAYS

FIGURE 24 IMPACT OF COVID-19 ON LUBRICANT ECOSYSTEM

6.5.1 IMPACT ON TRANSPORTATION

FIGURE 25 LUBRICANTS TRANSPORTATION VALUE CHAIN TO BE ADVERSELY AFFECTED

6.5.2 IMPACT ON INDUSTRIAL APPLICATIONS

FIGURE 26 MIX IMPACT ON LUBRICANTS INDUSTRIAL VALUE CHAIN THROUGH 2021

6.6 FACTORS DRIVING THE GROWTH

6.6.1 DISRUPTION IN THE AUTOMOTIVE INDUSTRY

6.6.1.1 Impact on customers' output & strategies to resume/improve production

TABLE 14 AUTOMOTIVE COMPANIES' ANNOUNCEMENTS

6.6.1.2 Customer's most impacted regions

6.6.1.3 Risk assessment and opportunities

TABLE 15 OPPORTUNITY ASSESSMENT IN AUTOMOTIVE INDUSTRY– SHORT-TERM STRATEGIES TO MANAGE COST STRUCTURE AND SUPPLY CHAINS

6.6.1.4 MnM viewpoint on growth outlook and new market opportunities

7 LUBRICANT ANTI-WEAR AGENTS MARKET, BY SALES CHANNEL

7.1 INTRODUCTION

FIGURE 27 MERCHANT SEGMENT TO DOMINATE THE LUBRICANT ANTI-WEAR AGENTS MARKET, BY SALES CHANNEL DURING THE FORECAST PERIOD

TABLE 16 LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY SALES CHANNEL, 2018–2025 (USD MILLION)

TABLE 17 LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY SALES CHANNEL, 2018–2025 (KILOTONS)

7.2 CAPTIVE

7.2.1 COMPETITIVE EDGE IN TERMS OF PRICE IS EXPECTED TO DRIVE THE SEGMENT

TABLE 18 CAPTIVE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY REGION, 2018–2025 (USD MILLION)

TABLE 19 CAPTIVE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY REGION, 2018–2025 (KILOTONS)

7.3 MERCHANT

7.3.1 REQUIREMENT OF MINIMUM INVESTMENTS ON FIXED ASSETS EXPECTED TO PROPEL DEMAND FOR THE SEGMENT

TABLE 20 MERCHANT LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY REGION, 2018–2025 (USD MILLION)

TABLE 21 MERCHANT LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY REGION, 2018–2025 (KILOTONS)

8 LUBRICANT ANTI-WEAR AGENTS MARKET, BY APPLICATION

8.1 INTRODUCTION

FIGURE 28 ENGINE OIL SEGMENT TO LEAD THE LUBRICANT ANTI-WEAR AGENTS MARKET DURING THE FORECAST PERIOD

TABLE 22 LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION,

2018–2025 (USD MILLION)

TABLE 23 LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (KILOTONS)

8.2 AUTOMOTIVE

8.2.1 RISING DEMAND FOR ENGINE OIL FROM PASSENGER AND COMMERCIAL VEHICLES EXPECTED TO INCREASE DEMAND IN THE SEGMENT

8.2.1.1 Impact of COVID-19 on the automotive industry

8.2.2 ENGINE OIL

TABLE 24 ENGINE OIL LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY REGION, 2018–2025 (USD MILLION)

TABLE 25 ENGINE OIL LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY REGION, 2018–2025 (KILOTONS)

8.2.3 AUTOMOTIVE GEAR OIL

TABLE 26 AUTOMOTIVE GEAR OIL LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY REGION, 2018–2025 (USD MILLION)

TABLE 27 AUTOMOTIVE GEAR OIL LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY REGION, 2018–2025 (KILOTONS)

8.2.4 AUTOMOTIVE TRANSMISSION FLUID

TABLE 28 AUTOMOTIVE TRANSMISSION FLUID LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY REGION, 2018–2025 (USD MILLION)

TABLE 29 AUTOMOTIVE TRANSMISSION FLUID LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY REGION, 2018–2025 (KILOTONS)

8.3 INDUSTRIAL

8.3.1 LUBRICANT ANTI-WEAR AGENTS USED IN HYDRAULIC OIL AND METALWORKING FLUID EXPECTED TO DRIVE DEMAND FOR THIS SEGMENT

8.3.1.1 Impact of COVID-19 on the industrial sector

8.3.2 HYDRAULIC OIL

8.3.2.1 Impact of COVID-19 on hydraulic oil

TABLE 30 HYDRAULIC OIL LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY REGION, 2018–2025 (USD MILLION)

TABLE 31 HYDRAULIC OIL LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY REGION, 2018–2025 (KILOTONS)

8.3.3 METAL WORKING FLUID

8.3.3.1 Impact of COVID-19 on metal working fluid

TABLE 32 METAL WORKING FLUID LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY REGION, 2018–2025 (USD MILLION)

TABLE 33 METAL WORKING FLUID LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY REGION, 2018–2025 (KILOTONS)

8.3.4 GREASE

8.3.4.1 Impact of COVID-19 on grease

TABLE 34 GREASE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY REGION, 2018–2025 (USD MILLION)

TABLE 35 GREASE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY REGION, 2018–2025 (KILOTONS)

8.3.5 OTHERS

TABLE 36 OTHER LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY REGION, 2018–2025 (USD MILLION)

TABLE 37 OTHER LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY REGION, 2018–2025 (KILOTONS)

9 LUBRICANT ANTI-WEAR AGENTS MARKET, BY TYPE

9.1 INTRODUCTION

FIGURE 29 ZDDP SEGMENT TO LEAD THE LUBRICANT ANTI-WEAR AGENTS MARKET DURING THE FORECAST PERIOD

TABLE 38 LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 39 LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (KILOTONS)

9.2 ZINC DIALKLDITHIOPHOSPHATE (ZDDP)

9.2.1 WEAR, OXIDATION, AND CORROSION PROTECTION PROPERTIES ARE EXPECTED TO DRIVE DEMAND

TABLE 40 ZDDP LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY REGION, 2018–2025 (USD MILLION)

TABLE 41 ZDDP LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY REGION, 2018–2025 (KILOTONS)

9.3 P-DERIVATIVE

9.3.1 RISING DEMAND FOR P-DERIVATIVE IN VARIOUS APPLICATIONS IS EXPECTED TO DRIVE THE MARKET DURING THE FORECAST PERIOD

TABLE 42 P-DERIVATIVE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY REGION, 2018–2025 (USD MILLION)

TABLE 43 P-DERIVATIVE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY REGION, 2018–2025 (KILOTONS)

9.3.2 PHOSPHONATE

9.3.3 PHOSPHATE

9.3.4 PHOSPHITE

10 LUBRICANT ANTI-WEAR AGENTS MARKET, BY REGION

10.1 INTRODUCTION

FIGURE 30 ASIA PACIFIC TO BE LARGEST MARKET FOR LUBRICANT ANTI-WEAR AGENTS DURING FORECAST PERIOD

TABLE 44 LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY REGION, 2018–2025 (USD MILLION)

TABLE 45 LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY REGION, 2018–2025 (KILOTONS)

10.2 ASIA PACIFIC

FIGURE 31 ASIA PACIFIC: LUBRICANT ANTI-WEAR AGENTS MARKET SNAPSHOT

TABLE 46 ASIA PACIFIC: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 47 ASIA PACIFIC: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (KILOTONS)

TABLE 48 ASIA PACIFIC: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 49 ASIA PACIFIC: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (KILOTONS)

TABLE 50 ASIA PACIFIC: ZDDP LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 51 ASIA PACIFIC: ZDDP LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (KILOTONS)

TABLE 52 ASIA PACIFIC: PHOSPHATE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 53 ASIA PACIFIC: PHOSPHATE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (KILOTONS)

TABLE 54 ASIA PACIFIC: PHOSPHITE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 55 ASIA PACIFIC: PHOSPHITE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (KILOTONS)

TABLE 56 ASIA PACIFIC: PHOSPHONATE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 57 ASIA PACIFIC: PHOSPHONATE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (KILOTONS)

TABLE 58 ASIA PACIFIC: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 59 ASIA PACIFIC: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (KILOTONS)

TABLE 60 ASIA PACIFIC: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY

SALES CHANNEL, 2018–2025 (USD MILLION)

TABLE 61 ASIA PACIFIC: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY SALES CHANNEL, 2018–2025 (KILOTONS)

10.2.1 CHINA

10.2.1.1 Increasing population drives the demand for lubricant anti-wear agents in China

TABLE 62 CHINA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 63 CHINA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (KILOTONS)

TABLE 64 CHINA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 65 CHINA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (KILOTONS)

10.2.1.2 Impact of COVID-19 on China

10.2.2 JAPAN

10.2.2.1 Increase in the production of passenger cars is expected to increase demand in Japan

TABLE 66 JAPAN: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 67 JAPAN: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (KILOTONS)

TABLE 68 JAPAN: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 69 JAPAN: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (KILOTONS)

10.2.2.2 Impact of COVID-19 on Japan

10.2.3 SOUTH KOREA

10.2.3.1 Increase in demand for passenger cars along with the largest shipbuilding industry expected to drive the market

TABLE 70 SOUTH KOREA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 71 SOUTH KOREA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (KILOTONS)

TABLE 72 SOUTH KOREA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 73 SOUTH KOREA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (KILOTONS)

10.2.3.2 Impact of COVID-19 on South Korea

10.2.4 INDIA

10.2.4.1 Rapid urbanization and rising population to boost demand for lubricant anti-wear agents in India

TABLE 74 INDIA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 75 INDIA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (KILOTONS)

TABLE 76 INDIA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 77 INDIA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (KILOTONS)

10.2.4.2 Impact of COVID-19 on India

10.2.5 INDONESIA

10.2.5.1 Government initiatives towards renewables in power sector expected to drive the market

TABLE 78 INDONESIA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 79 INDONESIA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (KILOTONS)

TABLE 80 INDONESIA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 81 INDONESIA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (KILOTONS)

10.2.5.2 Impact of COVID-19 on Indonesia

10.2.6 THAILAND

10.2.6.1 Rising production of automotive parts to drive demand for lubricant anti-wear agents

TABLE 82 THAILAND: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 83 THAILAND: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (KILOTONS)

TABLE 84 THAILAND: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 85 THAILAND: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (KILOTONS)

10.2.6.2 Impact of COVID-19 on Thailand

10.2.7 REST OF ASIA PACIFIC

10.2.7.1 Rising demand for motor vehicles expected to drive the market

TABLE 86 REST OF ASIA PACIFIC: LUBRICANT ANTI-WEAR AGENTS MARKET

SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 87 REST OF ASIA PACIFIC: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (KILOTONS)

TABLE 88 REST OF ASIA PACIFIC: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 89 REST OF ASIA PACIFIC: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (KILOTONS)

10.3 EUROPE

FIGURE 32 EUROPE: LUBRICANT ANTI-WEAR AGENTS MARKET SNAPSHOT

TABLE 90 EUROPE: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 91 EUROPE: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (KILOTONS)

TABLE 92 EUROPE: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 93 EUROPE: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (KILOTONS)

TABLE 94 EUROPE: ZDDP LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 95 EUROPE: ZDDP LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (KILOTONS)

TABLE 96 EUROPE: PHOSPHATE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 97 EUROPE: PHOSPHATE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (KILOTONS)

TABLE 98 EUROPE: PHOSPHITE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 99 EUROPE: PHOSPHITE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (KILOTONS)

TABLE 100 EUROPE: PHOSPHONATE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 101 EUROPE: PHOSPHONATE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (KILOTONS)

TABLE 102 EUROPE: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 103 EUROPE: LUBRICANT ANTI-WEAR MARKET SIZE, BY APPLICATION, 2018–2025 (KILOTONS)

TABLE 104 EUROPE: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY SALES CHANNEL, 2018–2025 (USD MILLION)

TABLE 105 EUROPE: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY SALES CHANNEL, 2018–2025 (KILOTONS)

10.3.1 GERMANY

10.3.1.1 Lubricant anti-wear agents market majorly driven by the automobile industry in Germany

TABLE 106 GERMANY: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 107 GERMANY: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (KILOTONS)

TABLE 108 GERMANY: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 109 GERMANY: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (KILOTONS)

10.3.1.2 Impact of COVID-19 on Germany

10.3.2 RUSSIA

10.3.2.1 Rising middle class population with automotive being the vital sector in the country are expected to drive the market

TABLE 110 RUSSIA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 111 RUSSIA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (KILOTONS)

TABLE 112 RUSSIA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 113 RUSSIA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (KILOTONS)

10.3.2.2 Impact of COVID-19 on Russia

10.3.3 FRANCE

10.3.3.1 Presence of some of the major automotive companies is expected to drive the market

TABLE 114 FRANCE: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 115 FRANCE: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (KILOTONS)

TABLE 116 FRANCE: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 117 FRANCE: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (KILOTONS)

10.3.3.2 Impact of COVID-19 on France

10.3.4 ITALY

10.3.4.1 Growth in the wind energy and hydroelectricity sectors expected to enhance the market due to the increase in the number of turbines

TABLE 118 ITALY: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 119 ITALY: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (KILOTONS)

TABLE 120 ITALY: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 121 ITALY: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (KILOTONS)

10.3.4.2 Impact of COVID-19 on Italy

10.3.5 UK

10.3.5.1 Growth in the industrial sector expected to drive the market

TABLE 122 UK: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 123 UK: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (KILOTONS)

TABLE 124 UK: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 125 UK: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (KILOTONS)

10.3.5.2 Impact of COVID-19 on the UK

10.3.6 SPAIN

10.3.6.1 Industrial sector contributing a significant share to the GDP is expected to drive the market

TABLE 126 SPAIN: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 127 SPAIN: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (KILOTONS)

TABLE 128 SPAIN: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 129 SPAIN: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (KILOTONS)

10.3.6.2 Impact of COVID-19 on Spain

10.3.7 REST OF EUROPE

10.3.7.1 Automotive sector enhancing the demand for lubricant anti-wear agents

TABLE 130 REST OF EUROPE: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 131 REST OF EUROPE: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE,

BY APPLICATION, 2018–2025 (KILOTONS)

TABLE 132 REST OF EUROPE: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 133 REST OF EUROPE: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (KILOTONS)

10.4 NORTH AMERICA

FIGURE 33 NORTH AMERICA: LUBRICANT ANTI-WEAR AGENTS MARKET SNAPSHOT

TABLE 134 NORTH AMERICA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 135 NORTH AMERICA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (KILOTONS)

TABLE 136 NORTH AMERICA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 137 NORTH AMERICA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (KILOTONS)

TABLE 138 NORTH AMERICA: ZDDP LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 139 NORTH AMERICA: ZDDP LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (KILOTONS)

TABLE 140 NORTH AMERICA: PHOSPHATE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 141 NORTH AMERICA: PHOSPHATE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (KILOTONS)

TABLE 142 NORTH AMERICA: PHOSPHITE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 143 NORTH AMERICA: PHOSPHITE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (KILOTONS)

TABLE 144 NORTH AMERICA: PHOSPHONATE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 145 NORTH AMERICA: PHOSPHONATE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (KILOTONS)

TABLE 146 NORTH AMERICA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 147 NORTH AMERICA: LUBRICANT MARKET SIZE, BY APPLICATION, 2018–2025 (KILOTONS)

TABLE 148 NORTH AMERICA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY SALES CHANNEL, 2018–2025 (USD MILLION)

TABLE 149 NORTH AMERICA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE,

BY SALES CHANNEL, 2018–2025 (KILOTONS)**10.4.1 US**

10.4.1.1 Increase in the production of passenger cars and commercial vehicles expected to fuel demand

TABLE 150 US: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 151 US: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (KILOTONS)

TABLE 152 US: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 153 US: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (KILOTONS)

10.4.1.2 Impact of COVID-19 on the US**10.4.2 CANADA**

10.4.2.1 Increasing initiatives towards the development of wind and hydroelectricity are expected to propel demand

TABLE 154 CANADA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 155 CANADA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (KILOTONS)

TABLE 156 CANADA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 157 CANADA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (KILOTONS)

10.4.2.2 Impact of COVID-19 on Canada**10.4.3 MEXICO**

10.4.3.1 Automotive sector along with initiatives for the development of wind and hydroelectricity are expected to propel demand

TABLE 158 MEXICO: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 159 MEXICO: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (KILOTONS)

TABLE 160 MEXICO: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 161 MEXICO: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (KILOTONS)

10.4.3.2 Impact of COVID-19 on Mexico**10.5 MIDDLE EAST & AFRICA**

TABLE 162 MIDDLE EAST & AFRICA: LUBRICANT ANTI-WEAR AGENTS MARKET

SIZE, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 163 MIDDLE EAST & AFRICA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (KILOTONS)

TABLE 164 MIDDLE EAST & AFRICA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 165 MIDDLE EAST & AFRICA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (KILOTONS)

TABLE 166 MIDDLE EAST & AFRICA: ZDDP LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 167 MIDDLE EAST & AFRICA: ZDDP LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (KILOTONS)

TABLE 168 MIDDLE EAST & AFRICA: PHOSPHATE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 169 MIDDLE EAST & AFRICA: PHOSPHATE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (KILOTONS)

TABLE 170 MIDDLE EAST & AFRICA: PHOSPHITE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 171 MIDDLE EAST & AFRICA: PHOSPHITE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (KILOTONS)

TABLE 172 MIDDLE EAST & AFRICA: PHOSPHONATE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 173 MIDDLE EAST & AFRICA: PHOSPHONATE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (KILOTONS)

TABLE 174 MIDDLE EAST & AFRICA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 175 MIDDLE EAST & AFRICA: LUBRICANT MARKET SIZE, BY APPLICATION, 2018–2025 (KILOTONS)

TABLE 176 MIDDLE EAST & AFRICA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY SALES CHANNEL, 2018–2025 (USD MILLION)

TABLE 177 MIDDLE EAST & AFRICA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY SALES CHANNEL, 2018–2025 (KILOTONS)

10.5.1 SAUDI ARABIA

10.5.1.1 Growing infrastructure is expected to drive the market

TABLE 178 SAUDI ARABIA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 179 SAUDI ARABIA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (KILOTONS)

TABLE 180 SAUDI ARABIA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 181 SAUDI ARABIA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (KILOTONS)

10.5.1.2 Impact of COVID-19 on Saudi Arabia

10.5.2 TURKEY

10.5.2.1 Growth in the industrial sector is expected to drive the market

TABLE 182 TURKEY: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 183 TURKEY: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (KILOTONS)

TABLE 184 TURKEY: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 185 TURKEY: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (KILOTONS)

10.5.3 IRAN

10.5.3.1 Growth in industrial production is expected to drive the market

TABLE 186 IRAN: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 187 IRAN: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (KILOTONS)

TABLE 188 IRAN: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 189 IRAN: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (KILOTONS)

10.5.4 REST OF MIDDLE EAST & AFRICA

10.5.4.1 Rising construction sector is expected to propel demand

TABLE 190 REST OF MIDDLE EAST & AFRICA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 191 REST OF MIDDLE EAST & AFRICA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (KILOTONS)

TABLE 192 REST OF MIDDLE EAST & AFRICA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 193 REST OF MIDDLE EAST & AFRICA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (KILOTONS)

10.6 SOUTH AMERICA

TABLE 194 SOUTH AMERICA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 195 SOUTH AMERICA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (KILOTONS)

TABLE 196 SOUTH AMERICA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE,

BY TYPE, 2018–2025 (USD MILLION)

TABLE 197 SOUTH AMERICA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (KILOTONS)

TABLE 198 SOUTH AMERICA: ZDDP LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 199 SOUTH AMERICA: ZDDP LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (KILOTONS)

TABLE 200 SOUTH AMERICA: PHOSPHATE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 201 SOUTH AMERICA: PHOSPHATE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (KILOTONS)

TABLE 202 SOUTH AMERICA: PHOSPHITE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 203 SOUTH AMERICA: PHOSPHITE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (KILOTONS)

TABLE 204 SOUTH AMERICA: PHOSPHONATE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 205 SOUTH AMERICA: PHOSPHONATE LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY COUNTRY, 2018–2025 (KILOTONS)

TABLE 206 SOUTH AMERICA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 207 SOUTH AMERICA: LUBRICANT MARKET SIZE, BY APPLICATION, 2018–2025 (KILOTONS)

TABLE 208 SOUTH AMERICA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY SALES CHANNEL, 2018–2025 (USD MILLION)

TABLE 209 SOUTH AMERICA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY SALES CHANNEL, 2018–2025 (KILOTONS)

10.6.1 BRAZIL

10.6.1.1 High demand for engine oils due increase in the production of passenger cars is expected to drive demand in Brazil

TABLE 210 BRAZIL: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 211 BRAZIL: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (KILOTONS)

TABLE 212 BRAZIL: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 213 BRAZIL: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (KILOTONS)

10.6.1.2 Impact of COVID-19 on Brazil

10.6.2 ARGENTINA

10.6.2.1 Argentina was the second-largest market for lubricant anti-wear agents in South America in 2019

TABLE 214 ARGENTINA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 215 ARGENTINA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (KILOTONS)

TABLE 216 ARGENTINA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 217 ARGENTINA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (KILOTONS)

10.6.2.2 Impact of COVID-19 on Argentina

10.6.3 COLOMBIA

10.6.3.1 Initiatives in renewable energy sector with increasing demand for motor vehicles are expected to lead to the high demand for lubricant anti-wear agents

TABLE 218 COLOMBIA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 219 COLOMBIA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (KILOTONS)

TABLE 220 COLOMBIA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 221 COLOMBIA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (KILOTONS)

10.6.4 REST OF SOUTH AMERICA

10.6.4.1 Rise in the demand for engine oil is expected to drive the market

TABLE 222 REST OF SOUTH AMERICA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 223 REST OF SOUTH AMERICA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY APPLICATION, 2018–2025 (KILOTONS)

TABLE 224 REST OF SOUTH AMERICA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 225 REST OF SOUTH AMERICA: LUBRICANT ANTI-WEAR AGENTS MARKET SIZE, BY TYPE, 2018–2025 (KILOTONS)

11 COMPETITIVE LANDSCAPE

11.1 OVERVIEW

FIGURE 34 KEY DEVELOPMENTS IN THE LUBRICANT ANTI-WEAR AGENTS MARKET, 2016–2019

Lubricant Anti-wear Agents Market by Type (ZDDP, Phosphate, Phosphite, Phosphonate) by Application (Engine Oil...

11.2 COMPETITIVE LEADERSHIP MAPPING (OVERALL MARKET)

11.2.1 STAR

11.2.2 EMERGING LEADERS

11.2.3 PERVASIVE

11.2.4 PARTICIPANTS

FIGURE 35 COMPETITIVE LEADERSHIP MAPPING (OVERALL MARKET)

11.3 COMPETITIVE LEADERSHIP MAPPING OF SMES

11.3.1 PROGRESSIVE COMPANIES

11.3.2 RESPONSIVE COMPANIES

11.3.3 STARTING BLOCKS

11.3.4 DYNAMIC COMPANIES

FIGURE 36 COMPETITIVE LEADERSHIP MAPPING OF START-UPS, 2019

11.4 MARKET SHARE, 2018

FIGURE 37 AFTON CHEMICAL LED THE LUBRICANT ANTI-WEAR AGENTS MARKET IN 2019

11.5 COMPETITIVE SCENARIO

11.5.1 NEW PRODUCT LAUNCHES

11.5.2 MERGERS & ACQUISITIONS

11.5.3 CONTRACTS & AGREEMENTS

11.5.4 INVESTMENTS & EXPANSIONS

12 COMPANY PROFILES

12.1 AFTON CHEMICAL

12.1.1 PRODUCTS OFFERED

12.1.2 RECENT DEVELOPMENTS

12.1.3 MNM VIEW

12.1.3.1 Key strengths/right to win

12.1.3.2 Strategic choices made

12.1.3.3 Weaknesses and competitive threats

12.2 BASF SE

12.2.1 BUSINESS OVERVIEW

FIGURE 38 BASF SE: COMPANY SNAPSHOT

12.2.2 PRODUCTS OFFERED

12.2.3 RECENT DEVELOPMENTS

12.2.4 MNM VIEW

12.2.4.1 Key strengths/right to win

12.2.4.2 Strategic choices made

12.2.4.3 Weaknesses and competitive threats

12.3 CHEVRON ORONITE

12.3.1 PRODUCTS OFFERED

12.3.2 RECENT DEVELOPMENTS

12.3.3 MNM VIEW

12.3.3.1 Key strengths/right to win

12.3.3.2 Strategic choices made

12.3.3.3 Weaknesses and competitive threats

12.4 SOLVAY

FIGURE 39 SOLVAY: COMPANY SNAPSHOT

12.4.1 PRODUCTS OFFERED

12.4.2 RECENT DEVELOPMENTS

12.4.3 MNM VIEW

12.4.3.1 Key strengths/right to win

12.4.3.2 Strategic choices made

12.4.3.3 Weaknesses and competitive threats

12.5 LANXESS

FIGURE 40 LANXESS: COMPANY SNAPSHOT

12.5.1 PRODUCTS OFFERED

12.5.2 RECENT DEVELOPMENTS

12.5.3 MNM VIEW

12.5.3.1 Key strengths/right to win

12.5.3.2 Strategic choices made

12.5.3.3 Weaknesses and competitive threats

12.6 KING INDUSTRIES

12.6.1 PRODUCTS OFFERED

12.6.2 RECENT DEVELOPMENTS

12.7 LUBRIZOL CORPORATION

12.7.1 PRODUCTS OFFERED

12.7.2 RECENT DEVELOPMENTS

12.8 PRASOL CHEMICALS

12.8.1 PRODUCTS OFFERED

12.8.2 RECENT DEVELOPMENTS

12.9 ITALMATCH CHEMICALS S.P.A

12.9.1 PRODUCTS OFFERED

12.9.2 RECENT DEVELOPMENTS

12.10 ISRAEL CHEMICALS (ICL)

FIGURE 41 ISRAEL CHEMICALS: COMPANY SNAPSHOT

12.10.1 PRODUCTS OFFERED

12.10.2 RECENT DEVELOPMENTS

12.11 CLARIANT**FIGURE 42 CLARIANT: COMPANY SNAPSHOT**

12.11.1 PRODUCTS OFFERED

12.11.2 RECENT DEVELOPMENTS

12.12 JINZHOU KANGTAI LUBRICANT ADDITIVES

12.12.1 PRODUCTS OFFERED

12.12.2 RECENT DEVELOPMENTS

12.13 WUXI SOUTH PETROLEUM ADDITIVES

12.13.1 PRODUCTS OFFERED

12.13.2 RECENT DEVELOPMENTS

12.14 TRANSASIA PETROCHEM

12.14.1 PRODUCTS OFFERED

12.14.2 RECENT DEVELOPMENTS

12.15 DORF KETAL CHEMICALS**12.16 SEQENS****12.17 REPSOL****12.18 AMSOIL****12.19 ZPLUS, LLC****12.20 INFINEUM****12.21 XINXIANG RICHFUL LUBE ADDITIVE****12.22 CAMGUARD****13 APPENDIX****13.1 DISCUSSION GUIDE****13.2 KNOWLEDGE STORE: MARKETSSANDMARKETS' SUBSCRIPTION PORTAL****13.3 AVAILABLE CUSTOMIZATIONS****13.4 RELATED REPORTS****13.5 AUTHOR DETAILS**

I would like to order

Product name: Lubricant Anti-wear Agents Market by Type (ZDDP, Phosphate, Phosphite, Phosphonate) by Application (Engine Oil, Automotive Gear Oil, Automotive Transmission Fluid, Hydraulic oil, Metalworking Fluid, Grease) and Region - Global forecast to 2025

Product link: <https://marketpublishers.com/r/L8FF325EAEC4EN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/L8FF325EAEC4EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970