

## **Mining Lubricants Market by Product Type (Engine Oil, Hydraulic & Transmission Oil, Gear Oil & Grease), Mining Techniques (Surface, Underground Mining), End-use Industry (Coal Mining, Iron Ore Mining), Lubricant Type, & Region - Global Forecast to 2030**

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### **Report description:**

The global mining lubricants market is projected to grow from USD 4.00 billion in 2024 to USD 4.91 billion by 2030, at a CAGR of 3.5% during the forecast period. Mining lubricants play a critical role in ensuring the efficiency and longevity of heavy machinery used in mining operations. These lubricants reduce friction, minimize wear and tear, and enhance the performance of equipment operating under extreme conditions such as high loads, heavy vibrations, and harsh environmental factors. The mining lubricants market is witnessing significant growth, driven by the increasing demand for higher power-rated mining equipment with larger sump sizes. As mining operations expand to extract deeper mineral reserves and process tougher materials, there is a rising need for more powerful machinery that can handle greater workloads. These high-capacity machines require advanced lubricants that offer superior thermal stability, extended drain intervals, and enhanced protection against extreme pressure and contamination. The larger sump sizes in modern mining equipment also necessitate greater lubricant volumes, further driving market demand. "Hydraulic Oil segment, by product type, is estimated to account for the second largest share during the forecast period." Hydraulic oil is a specialized lubricant used in hydraulic systems to transfer power, reduce friction, and protect machinery from wear and tear. It plays a crucial role in mining operations, where hydraulic systems are widely used in heavy equipment such as excavators, dump trucks, drills, and loaders. Hydraulic oil enhances equipment efficiency by providing smooth and consistent power transmission while also protecting components from corrosion, extreme pressure, and temperature variations. In the mining lubricants market, hydraulic oil is expected to hold the second-largest share during the forecast period due to several key factors. The increasing adoption of advanced mining equipment with advanced hydraulic systems is a major driver, as these machines require high-performance hydraulic fluids to operate efficiently under extreme conditions. Moreover, the need for

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improved equipment reliability and reduced maintenance downtime is also pushing mining companies to invest in high-quality hydraulic oils with extended service life and superior wear protection, thus driving the market for mining lubricants.

"By mining techniques, underground mining segment accounted for the second largest share during the forecast period." Underground mining is a technique used to extract minerals and ores located deep beneath the Earth's surface. It involves the construction of tunnels, shafts, and chambers to access deposits that are not feasible for surface mining. Underground mining is expected to hold the second-largest share in the mining lubricants market during the forecast period due to increasing demand for deep-seated mineral reserves and the depletion of easily accessible surface deposits. The expansion of underground operations, particularly in regions with strict land use regulations and environmental concerns, further contributes to market growth. Additionally, the need for high-performance lubricants that can withstand harsh underground conditions, improve equipment longevity, and minimize downtime is driving the demand for specialized mining lubricants in this segment.

"By end-use industry, iron ore mining segment accounted for the second largest share during the forecast period." Iron ore mining is the process of extracting iron-rich rocks and minerals, primarily used in steel production. It involves various techniques, including open-pit and underground mining, depending on the depth and location of the deposits. Iron ore mining requires heavy machinery such as excavators, haul trucks, drills, and crushers, all of which rely on high-performance lubricants to ensure smooth operations, reduce wear and tear, and enhance equipment lifespan in demanding conditions like high loads, and extreme temperatures. Iron ore mining is expected to hold the second-largest share in the mining lubricants market during the forecast period due to the rising global demand for steel in construction, automotive, and infrastructure projects. The expansion of mining activities, particularly in resource-rich regions, further drives the need for reliable lubrication solutions to enhance equipment efficiency and minimize maintenance costs.

"By lubricant type, synthetic lubricants segment accounted for the second largest share during the forecast period." Synthetic lubricants offer superior properties such as higher thermal stability, oxidation resistance, extended drain intervals, and better performance in extreme temperatures. In the mining industry, synthetic lubricants are widely used in critical equipment like hydraulic systems, gearboxes, engines, and bearings to reduce friction, enhance efficiency, and extend equipment life under harsh operating conditions. Synthetic lubricants are expected to hold the second-largest share in the mining lubricants market during the forecast period due to their growing adoption in high-performance mining machinery. The increasing demand for efficient and long-lasting lubrication solutions in deep-pit and underground mining operations, where equipment operates under high pressure and temperature, is driving this segment's growth.

"North America region is estimated to account for the second largest share during the forecast period." North America is a significant market for mining lubricants, driven by extensive mining activities and the presence of major mining companies in the region. The demand for high-performance lubricants is increasing as mining operations require efficient lubrication solutions to enhance equipment lifespan, reduce downtime, and improve productivity. North America is expected to hold the second-largest share in the mining lubricants market during the forecast period due to its well-established mining sector and stringent regulations promoting high-quality, environmentally friendly lubricants. Additionally, the increasing investment in advanced mining technologies is boosting the demand for premium lubricants that support high-performance machinery. The presence of leading lubricant manufacturers and strong distribution networks further contributes to the market's steady growth in North America.

Profile break-up of primary participants for the report:

- By Company Type: Tier 1 - 65%, Tier 2 - 20%, and Tier 3 - 15%
- By Designation: Directors- 25%, Managers- 30%, and Others - 45%
- By Region: North America - 30%, Asia Pacific - 40%, Europe - 20%, Middle East & Africa - 7%, and South America - 3%

Exxon Mobil Corporation (US), TotalEnergies SE (France), Shell plc (UK), Chevron Corporation (US), and BP p.l.c. (UK) are some of

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the major players operating in the mining lubricants market. These players have adopted acquisitions, expansions, product launches, and partnerships to increase their market share business revenue.

#### Research Coverage:

The report defines, segments, and projects the mining lubricants market based on product type, lubricant type, end-use industry, mining techniques, and region. It provides detailed information regarding the major factors influencing the market's growth, such as drivers, restraints, opportunities, and challenges. It strategically profiles mining lubricants manufacturers, comprehensively analyzing their market shares and core competencies, and tracks and analyzes competitive developments, such as expansions, agreements, product launches, and acquisitions.

#### Reasons to Buy the Report:

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

The report provides insights on the following pointers:

- Analysis of critical drivers (expanding mining industry, increased demand for specialized lubricants for high-performance machinery, rising demand for higher power-rated mining equipment with larger sump size, and impact of changing us energy policy on mining industry), restraints (volatility in raw material prices, and high costs of synthetic mining lubricants), opportunities (growing demand for bio-based and biodegradable mining lubricants, extended drainage intervals of high-performance lubricants, and supportive government policies related to modernize and boost mining activities), and challenges (electrification of mining machinery) influencing the growth of the mining lubricants market.
- Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities in the mining lubricants market.
- Market Development: Comprehensive information about lucrative markets - the report analyses the mining lubricants market across varied regions.
- Market Diversification: Exhaustive information about new products, various types, untapped geographies, recent developments, and investments in the mining lubricants market.
- Competitive Assessment: In-depth assessment of market shares, growth strategies, and product offerings of leading players such as Exxon Mobil Corporation (US), TotalEnergies SE (France), Shell plc (UK), Chevron Corporation (US), BP p.l.c. (UK), Idemitsu Kosan Co., Ltd. (Japan), FUCHS (Germany), Quaker Chemical Corporation (US), LUKOIL (Russia), Whitmore Manufacturing LLC (US), and others in the mining lubricants market.

#### Table of Contents:

1	INTRODUCTION	41
1.1	STUDY OBJECTIVES	41
1.2	MARKET DEFINITION	41
1.3	STUDY SCOPE	42
1.3.1	MARKETS COVERED AND REGIONAL SCOPE	42
1.3.2	INCLUSIONS AND EXCLUSIONS	43
1.3.3	YEARS CONSIDERED	43
1.3.4	CURRENCY CONSIDERED	44
1.3.5	UNIT CONSIDERED	44

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1.4	LIMITATIONS	44
1.5	STAKEHOLDERS	44
1.6	SUMMARY OF CHANGES	45
2	RESEARCH METHODOLOGY	46
2.1	RESEARCH DATA	46
2.1.1	SECONDARY DATA	47
2.1.1.1	Key data from secondary sources	47
2.1.2	PRIMARY DATA	48
2.1.2.1	Key data from primary sources	48
2.1.2.2	Breakdown of interviews with experts	49
2.2	MATRIX CONSIDERED FOR DEMAND-SIDE ANALYSIS	50
2.3	MARKET SIZE ESTIMATION	51
2.3.1	BOTTOM-UP APPROACH	51
2.3.2	TOP-DOWN APPROACH	51
2.3.3	CALCULATIONS FOR SUPPLY-SIDE ANALYSIS	53
2.4	GROWTH FORECAST	53
2.5	DATA TRIANGULATION	54
2.6	RESEARCH ASSUMPTIONS	55
2.7	RESEARCH LIMITATIONS	55
2.8	RISK ASSESSMENT	55
3	EXECUTIVE SUMMARY	56
4	PREMIUM INSIGHTS	60
4.1	ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN MINING LUBRICANTS MARKET	60
4.2	MINING LUBRICANTS MARKET, BY REGION	60
4.3	MINING LUBRICANTS MARKET, BY PRODUCT TYPE	61
4.4	MINING LUBRICANTS MARKET, BY END-USE INDUSTRY	61
4.5	MINING LUBRICANTS MARKET, BY LUBRICANT TYPE	62
4.6	MINING LUBRICANTS MARKET, BY MINING TECHNIQUE	62
4.7	MINING LUBRICANTS MARKET, BY KEY COUNTRY	63
5	MARKET OVERVIEW	64
5.1	INTRODUCTION	64
5.2	MARKET DYNAMICS	64
5.2.1	DRIVERS	65
5.2.1.1	Expanding mining industry	65
5.2.1.2	Increased demand for specialized lubricants for high-performance machinery	65
5.2.1.3	Rising demand for higher power-rated mining equipment with larger sump size	66
5.2.1.4	Impact of changing US energy policy on mining industry	66
5.2.2	RESTRAINTS	66
5.2.2.1	Volatility in raw material prices	66
5.2.2.2	High costs of synthetic mining lubricants	67
5.2.3	OPPORTUNITIES	67
5.2.3.1	Growing demand for bio-based and biodegradable mining lubricants	67
5.2.3.2	Extended drainage intervals of high-performance lubricants	68
5.2.3.3	Supportive government policies related to modernize and boost mining activities	68
5.2.4	CHALLENGES	68
5.2.4.1	Electrification of mining machinery	68
6	INDUSTRY TRENDS	69

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6.1	GLOBAL MACROECONOMIC OUTLOOK	69
6.1.1	GDP	69
6.1.2	RESEARCH AND DEVELOPMENT (R&D) EXPENDITURE	71
6.1.3	GROWTH OF COAL MINING INDUSTRY	71
6.2	SUPPLY CHAIN ANALYSIS	72
6.3	ECOSYSTEM ANALYSIS	74
6.4	PORTER'S FIVE FORCES ANALYSIS	75
6.4.1	BARGAINING POWER OF SUPPLIERS	76
6.4.2	BARGAINING POWER OF BUYERS	76
6.4.3	THREAT OF NEW ENTRANTS	77
6.4.4	THREAT OF SUBSTITUTES	77
6.4.5	INTENSITY OF COMPETITIVE RIVALRY	77
6.5	KEY STAKEHOLDERS AND BUYING CRITERIA	78
6.5.1	KEY STAKEHOLDERS IN BUYING PROCESS	78
6.5.2	BUYING CRITERIA	79
6.6	PRICING ANALYSIS	80
6.6.1	AVERAGE SELLING PRICE TREND, BY REGION, 2022-2024	80
6.6.2	AVERAGE SELLING PRICE TREND, BY PRODUCT TYPE, 2023	81
6.7	TARIFF AND REGULATORY LANDSCAPE	82
6.7.1	TARIFF ANALYSIS	82
6.7.2	REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	82
6.8	KEY CONFERENCES AND EVENTS, 2025-2026	85
6.9	PATENT ANALYSIS	86
6.9.1	METHODOLOGY	86
6.10	TECHNOLOGY ANALYSIS	88
6.10.1	KEY TECHNOLOGIES	88
6.10.1.1	Bio-based mining lubricants	88
6.10.2	ADJACENT TECHNOLOGIES	88
6.10.2.1	Re-refining technology	88
6.11	CASE STUDY ANALYSIS	89
6.11.1	KLUBER LUBRICATION HELPED SOUTH AMERICAN MINING FIRM BY PROVIDING HIGH-PERFORMANCE LUBRICANT MADE ESPECIALLY FOR GEARBOXES	89
6.11.2	SHELL HELPED SIS, INDONESIA, TO EXTEND LIFE OF PINS AND BUSHES USED IN MINING EQUIPMENT BY UP TO 9 TIMES	90
6.12	TRADE ANALYSIS	91
6.12.1	IMPORT SCENARIO (HS CODE 2710)	91
6.12.2	EXPORT SCENARIO (HS CODE 2710)	92
6.13	TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS	93
6.14	IMPACT OF GENERATIVE AI ON MINING LUBRICANTS MARKET	94
6.14.1	INTRODUCTION	94
6.14.2	PREDICTIVE MAINTENANCE	94
6.14.3	SUPPLY CHAIN OPTIMIZATION	94
6.14.4	COST SAVINGS	94
7	MINING LUBRICANTS MARKET, BY PRODUCT TYPE	95
7.1	INTRODUCTION	96
7.2	ENGINE OIL	97
7.2.1	RIISING DEMAND FOR ADVANCED ENGINE OILS THAT IMPROVE PERFORMANCE TO DRIVE MARKET	97

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7.3	HYDRAULIC OIL	98
7.3.1	INCREASING DEMAND FOR LUBRICANTS THAT PREVENT OVERHEATING TO FUEL MARKET GROWTH	98
7.4	TRANSMISSION OIL	98
7.4.1	GROWING DEMAND FOR MINING LUBRICANTS THAT REDUCE OPERATIONAL NOISE TO PROPEL MARKET	98
	?	
7.5	GEAR OIL & GREASE	98
7.5.1	RISING DEMAND FOR LUBRICANTS THAT EXTEND OPERATIONAL LIFE OF ADVANCED MACHINERY CAPABLE OF OPERATING IN HARSH MINING ENVIRONMENTS TO DRIVE MARKET	98
8	MINING LUBRICANTS MARKET, BY MINING TECHNIQUE	99
8.1	INTRODUCTION	100
8.2	SURFACE MINING	101
8.2.1	WIDESPREAD USE OF HEAVY MINING MACHINERY TO DRIVE DEMAND	101
8.3	UNDERGROUND MINING	101
8.3.1	RISING DEMAND FOR HIGH-PERFORMANCE MINING LUBRICANTS TO FUEL MARKET GROWTH	101
9	MINING LUBRICANTS MARKET, BY LUBRICANT TYPE	102
9.1	INTRODUCTION	103
9.2	MINERAL OIL	104
9.2.1	LOW COST, EXCELLENT PERFORMANCE, AND HIGH ADOPTION IN SURFACE AND UNDERGROUND MINING OPERATIONS TO DRIVE DEMAND	104
9.3	SYNTHETIC LUBRICANTS	104
9.3.1	RISING DEMAND FOR LUBRICATION SOLUTIONS THAT REDUCE DOWNTIME TO FUEL MARKET GROWTH	104
10	MINING LUBRICANTS MARKET, BY END-USE INDUSTRY	105
10.1	INTRODUCTION	106
10.2	COAL MINING	108
10.2.1	RISING DEMAND FOR COAL DRIVEN BY INCREASING ENERGY NEEDS AND INDUSTRIAL APPLICATIONS TO FUEL MARKET GROWTH	108
10.3	IRON ORE MINING	108
10.3.1	GROWING ROLE OF IRON ORE IN INFRASTRUCTURE DEVELOPMENT TO FUEL MARKET	108
10.4	BAUXITE MINING	108
10.4.1	RISING DEMAND IN CONSTRUCTION AND TRANSPORTATION INDUSTRIES TO DRIVE MARKET	108
10.5	RARE EARTH MINERAL MINING	109
10.5.1	EXPANDING ELECTRIC VEHICLE AND RENEWABLE ENERGY INDUSTRIES TO FUEL MARKET GROWTH	109
10.6	PRECIOUS METALS MINING	109
10.6.1	GROWING RENEWABLE ENERGY INDUSTRY TO DRIVE MARKET	109
10.7	OTHERS	109
	?	
11	MINING LUBRICANTS MARKET, BY REGION	110
11.1	INTRODUCTION	111
11.2	NORTH AMERICA	113
11.2.1	US	120
11.2.1.1	Rising energy demand and infrastructure development to fuel market growth	120
11.2.2	CANADA	124
11.2.2.1	Surge in demand for valuable minerals like copper to drive market	124
11.2.3	MEXICO	129
11.2.3.1	Increasing scale of mining operations to boost market growth	129
11.3	EUROPE	134
11.3.1	RUSSIA	141

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11.3.1.1	Growing need for equipment maintenance and operational efficiency to drive market	141
11.3.2	GERMANY	146
11.3.2.1	Increasing focus on enhancing equipment performance to meet demands of sustainable and technologically advanced mining operations to fuel market growth	146
11.3.3	UK	151
11.3.3.1	Rising demand for critical minerals driven by government support and sustainability goals to drive market	151
11.3.4	POLAND	155
11.3.4.1	Rising extraction of strategic minerals to boost demand	155
11.3.5	ITALY	161
11.3.5.1	Rising minerals production to fuel market growth	161
11.3.6	FRANCE	165
11.3.6.1	Efforts to boost domestic mining industry and growing focus on renewable energy to drive market	165
11.3.7	TURKEY	171
11.3.7.1	Government-led investments in expanding and modernizing mining industry to fuel market growth	171
11.3.8	REST OF EUROPE	176
11.4	ASIA PACIFIC	181
11.4.1	CHINA	188
11.4.1.1	Rising scale of mining industry to drive market	188
11.4.2	INDIA	192
11.4.2.1	Surge in mineral output to fuel market growth	192
11.4.3	INDONESIA	197
11.4.3.1	Evolving mining industry driven by global coal demand to boost market growth	197
11.4.4	VIETNAM	202
11.4.4.1	Rising demand for high-performance mining lubricants to drive market	202
?		
11.4.5	AUSTRALIA	207
11.4.5.1	Rising extraction of key minerals to fuel market growth	207
11.4.6	REST OF ASIA PACIFIC	212
11.5	MIDDLE EAST & AFRICA	217
11.5.1	GCC	224
11.5.1.1	Saudi Arabia	224
11.5.1.1.1	Growing investments in mining activities to drive market	224
11.5.1.2	UAE	229
11.5.1.2.1	Government focus on increasing mining industry contribution to GDP to propel market	229
11.5.1.3	Rest of GCC	233
11.5.2	SOUTH AFRICA	238
11.5.2.1	Significant growth of mining industry to drive market	238
11.5.3	EGYPT	243
11.5.3.1	Government-led focus on increasing GDP contribution from mining industry to propel demand	243
11.5.4	SENEGAL	247
11.5.4.1	Expansion of mining industry to drive demand	247
11.5.5	MOZAMBIQUE	252
11.5.5.1	High deposits of coal, titanium, and graphite and considerable foreign investments to drive market	252
11.5.6	ZAMBIA	257
11.5.6.1	High production of copper to boost market growth	257
11.5.7	REST OF MIDDLE EAST & AFRICA	262
11.6	SOUTH AMERICA	267

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11.6.1	BRAZIL	273
11.6.1.1	Growing iron ore exports to drive market	273
11.6.2	REST OF SOUTH AMERICA	278
12	COMPETITIVE LANDSCAPE	283
12.1	INTRODUCTION	283
12.2	KEY PLAYER STRATEGIES/RIGHT TO WIN	283
12.3	REVENUE ANALYSIS	285
12.3.1	REVENUE ANALYSIS OF TOP 5 PLAYERS	285
12.4	RANKING ANALYSIS	286
12.5	MARKET SHARE ANALYSIS	287
12.6	BRAND/PRODUCT COMPARISON	289
12.7	COMPANY EVALUATION MATRIX: KEY PLAYERS, 2024	290
12.7.1	STARS	290
12.7.2	EMERGING LEADERS	290
12.7.3	PERVASIVE PLAYERS	291
12.7.4	PARTICIPANTS	291
	?	
12.7.5	COMPANY FOOTPRINT: KEY PLAYERS, 2024	292
12.7.5.1	Company footprint	292
12.7.5.2	Region footprint	293
12.7.5.3	Lubricant type footprint	294
12.7.5.4	Product type footprint	295
12.8	COMPANY EVALUATION MATRIX: STARTUPS/SMES, 2024	295
12.8.1	PROGRESSIVE COMPANIES	295
12.8.2	RESPONSIVE COMPANIES	295
12.8.3	DYNAMIC COMPANIES	296
12.8.4	STARTING BLOCKS	296
12.8.5	COMPETITIVE BENCHMARKING: STARTUPS/SMES, 2024	297
12.8.5.1	Detailed list of key startups/SMEs	297
12.8.5.2	Competitive benchmarking of key startups/SMEs	298
12.9	COMPETITIVE SCENARIO	298
12.9.1	DEALS	298
12.9.2	EXPANSIONS	299
12.10	COMPANY VALUATION AND FINANCIAL METRICS	300
13	COMPANY PROFILES	302
13.1	KEY PLAYERS	302
13.1.1	EXXON MOBIL CORPORATION	302
13.1.1.1	Business overview	302
13.1.1.2	Products/Solutions/Services offered	304
13.1.1.3	Recent developments	306
13.1.1.3.1	Product launches	306
13.1.1.3.2	Deals	307
13.1.1.3.3	Expansions	307
13.1.1.4	MnM view	308
13.1.1.4.1	Key strengths/Right to win	308
13.1.1.4.2	Strategic choices	308
13.1.1.4.3	Weaknesses/Competitive threats	308

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13.1.2	TOTALENERGIES SE	309
13.1.2.1	Business overview	309
13.1.2.2	Products/Solutions/Services offered	311
13.1.2.3	Recent developments	312
13.1.2.3.1	Deals	312
13.1.2.4	MnM view	313
13.1.2.4.1	Key strengths/Right to win	313
13.1.2.4.2	Strategic choices	313
13.1.2.4.3	Weaknesses/Competitive threats	313
13.1.3	SHELL PLC	314
13.1.3.1	Business overview	314
13.1.3.2	Products/Solutions/Services offered	316
13.1.3.3	Recent developments	317
13.1.3.3.1	Deals	317
13.1.3.3.2	Expansions	318
13.1.3.4	MnM view	318
13.1.3.4.1	Key strengths/Right to win	318
13.1.3.4.2	Strategic choices	318
13.1.3.4.3	Weaknesses/Competitive threats	318
13.1.4	CHEVRON CORPORATION	319
13.1.4.1	Business overview	319
13.1.4.2	Products/Solutions/Services offered	321
13.1.4.3	Recent developments	324
13.1.4.3.1	Deals	324
13.1.4.3.2	Expansions	324
13.1.4.4	MnM view	325
13.1.4.4.1	Key strengths/Right to win	325
13.1.4.4.2	Strategic choices	325
13.1.4.4.3	Weaknesses/Competitive threats	325
13.1.5	BP P.L.C.	326
13.1.5.1	Business overview	326
13.1.5.2	Products/Solutions/Services offered	328
13.1.5.3	MnM view	331
13.1.5.3.1	Key strengths/Right to win	331
13.1.5.3.2	Strategic choices	331
13.1.5.3.3	Weaknesses/Competitive threats	331
13.1.6	IDEMITSU KOSAN CO., LTD.	332
13.1.6.1	Business overview	332
13.1.6.2	Products/Solutions/Services offered	334
13.1.6.3	Recent developments	336
13.1.6.3.1	Expansions	336
13.1.7	FUCHS	337
13.1.7.1	Business overview	337
13.1.7.2	Products/Solutions/Services offered	339
13.1.7.3	Recent developments	346
13.1.7.3.1	Deals	346

13.1.8	QUAKER CHEMICAL CORPORATION	347
13.1.8.1	Business overview	347
13.1.8.2	Products/Solutions/Services offered	348
	?	
13.1.9	LUKOIL	349
13.1.9.1	Business overview	349
13.1.9.2	Products/Solutions/Services offered	350
13.1.9.3	Recent developments	351
13.1.9.3.1	Deals	351
13.1.9.3.2	Expansions	352
13.1.10	WHITMORE MANUFACTURING LLC	353
13.1.10.1	Business overview	353
13.1.10.2	Products/Solutions/Services offered	353
13.1.10.3	Recent developments	356
13.1.10.3.1	Deals	356
13.1.11	SCHAEFFER MANUFACTURING CO.	357
13.1.11.1	Business overview	357
13.1.11.2	Products/Solutions/Services offered	357
13.1.11.3	Recent developments	361
13.1.11.3.1	Deals	361
13.1.12	KLUBER LUBRICATION	362
13.1.12.1	Business overview	362
13.1.12.2	Products/Solutions/Services offered	362
13.1.13	BEL-RAY COMPANY, LLC	367
13.1.13.1	Business overview	367
13.1.13.2	Products/Solutions/Services offered	367
13.2	OTHER PLAYERS	370
13.2.1	ROYAL	370
13.2.2	LUBRICATION ENGINEERS	371
13.2.3	ITW POLYMERS & FLUIDS	372
13.2.4	EUROL	373
13.2.5	LUCAS OIL PRODUCTS, INC.	374
13.2.6	RYMAX LUBRICANTS	375
13.2.7	D-A LUBRICANT COMPANY	376
13.2.8	ASIANOL BIOTECH	377
13.2.9	DUBOIS CHEMICALS	378
	?	
14	ADJACENT AND RELATED MARKETS	379
14.1	INTRODUCTION	379
14.2	LIMITATIONS	379
14.3	INTERCONNECTED MARKETS	379
14.4	SYNTHETIC LUBRICANTS MARKET	379
14.4.1	MARKET DEFINITION	379
14.4.2	MARKET OVERVIEW	379
14.4.3	SYNTHETIC LUBRICANTS MARKET, BY TYPE	380
14.4.3.1	Polyalphaolefins (PAOS)	381
14.4.3.2	Esters	382

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14.4.3.3 Polyalkylene Glycols (PAGS) 384

14.4.3.4 Group III (HYDROCRACKING) 385

15 APPENDIX 387

15.1 DISCUSSION GUIDE 387

15.2 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL 390

15.3 CUSTOMIZATION OPTIONS 392

15.4 RELATED REPORTS 392

15.5 AUTHOR DETAILS 393

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