

Report Information

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Hydraulic Fluid Market Research Report - Global Forecast till 2030

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Description:

Hydraulic Fluid Market Overview:

In addition, the global hydraulic fluid market is expected to increase at a CAGR of 2.91%, with a significant value over the estimated forecasting year of 2022-2030.

Hydraulic fluids are several lubricants that serve as media for power transmission into hydraulic equipment components. They are usually available in bio-based, fire-resistant, and petroleum-based forms and are composed of water and mineral oil. Hydraulic fluids employ the force of non-compressing fluids found in various areas of the vehicle for heat transmission, lubrication, pollution removal, sealing, and contamination management. They're also commonly used in aircraft flight control systems, hydraulic brakes, excavators, power steering systems, trash trucks, industrial machines, and elevators. Hydraulic fluids outperform traditional turbine oil in high-temperature stability, filterability, thermal and oxidative stability, viscosity and compressibility, foam, wear, and corrosion resistance.

Hydraulic fluids are a class of lubricants that flow in multiple directions, each tailored for a specific portion of your car or machinery. It is the foundation fluid utilized in many areas of your vehicle to provide a flow of force and protection by utilizing the force of the real non-compressing fluid. Hydraulic fluid has several superior qualities such as higher temperature stability, longer life, and performance than standard turbine oil, higher viscosity, and others. Because of these features, hydraulic fluid is used in various sectors, including oil and gas, chemical production, automotive, and others.

These fluids are utilized as different items in the overall vehicle system, such as engine oil, gear oil, brake fluid, and others, to improve the entire life cycle of a vehicle by decreasing friction between surfaces and removing heat created by the automotive component. Furthermore, hydraulic fluids have improved hardware compatibility with sophisticated automobile parts, and they aid in reducing vehicle pollutants. As a result, an increase in automobile sales stimulates the use of hydraulic fluids, promoting market development. The significant expansion in the global automobile sector presents a bright picture for market growth. Hydraulic fluids are widely used in various areas of the vehicle, including power steering systems, engine oil, gear oil, brakes, and clutches, to create force, protect against chemical reaction erosion, and reduce friction between components, thereby contributing to the overall life cycle of the automobile. Following this, hydraulic fluids are extremely compatible with sophisticated automobile parts, which aids in the reduction of vehicle emissions. Aside from that, product developments such as introducing biodegradable hydraulic fluids that are ecologically sensitive, non-toxic, and environmentally friendly are driving market expansion.

Covid-19 Analysis:

The coronavirus standard had a detrimental influence on various businesses, notably the hydraulic fluids market. Due to the financial issues that occurred during the onset of coronavirus, both the public and government sectors suffered tremendously. Businesses were forced to close in several nations due to the social distancing restrictions and lockdown. Due to manpower scarcity, the hydraulic fluids business encountered significant challenges, resulting in reduced production. Hydraulic fluid demand fell due to constrained output and industry shutdowns in industries such as oil and gas, building and construction, and chemical, among others. However, the hydraulic fluid market is likely to rise with the coronavirus environment.

The coronavirus pandemic outbreak has led to a temporary prohibition on import and export, interrupting the supply chain and decreased hydraulic fluids market trends in the second, third, and fourth quarters of 2020. However, the industry is likely to rebound in late 2018 or early 2021 when activities in numerous industries such as manufacturing, construction, aerospace & military, and others resume.

The Chief Factors Existing in the Market:

Key Market Drivers:

On the other hand, Crude oil is a basic ingredient that is utilized as a building block in the creation of synthetic lubricants such as hydraulic fluids. The rise in crude oil prices has a significant impact on the pricing of all lubricants. Oil costs are likely to climb as the United States imports massive volumes of oil and the number of automobile owners, particularly in China, rises.

Market Challenges:

The most significant difficulty for any company in the world is how to tackle this worldwide epidemic. Because of the global health emergency, every country has closed its borders, making commercial activity impossible. As a result, most industrial manufacturers are losing a lot of money, while other investors want to offer new market participants a chance to make up for their losses.

Market Opportunities:

Almost everyone in today's society is aware of the worldwide pandemic and its influence on the global hydraulic fluid market. However, following the lockdown, the market has been vastly opened. To meet the clients' demand, every company wants to focus on the effort of increasing the production rate, which ultimately creates a great opportunity for those who want to set up shop in the modern hydraulic fluid market growth.

Market Restraints:

The rising cost of labor and a scarcity of industrial raw resources have had an impact on the rate of production. As a result, most investors wish to offer the industry's most notable companies a chance to raise their production rates.

Cumulative Evaluation of the Market:

The expansion in the number of emerging technologies and the great growth of hydraulic fluid market sectors have had a massive impact on the worldwide sectors. Following the shutdown, the hydraulic fluid market reopened, bringing fresh faces of market investors and shareholders eager to increase output by utilizing innovative technologies. During the worldwide pandemic, most investors concentrated their investments in emerging company areas where competition was strong. During the shutdown, the global market suffered a significant revenue loss. Most of the leading hydraulic fluid market players have continued to increase output to fulfill global demand while also overcoming the major hurdle posed by this pandemic condition.

Market Segmentation:

According to the latest hydraulic fluid market analysis report, the market has been segmented into type, end-use industry, and regional sectors. The type section classified the market into petroleum-based hydraulic fluid, bio-based hydraulic fluid, and fire-resistant types. In the end-use industry, the market is classified into six sections: oil & gas, automotive, marine, aerospace & defense, construction, and others. The global market is further divided into five sections: Asia-Pacific, North America, South America, Europe, and Middle East & Africa with the regional section.

Regional Analysis:

The Asia-Pacific region is likely to lead the hydraulic fluids market during the projected period. This tendency might be ascribed to the region's growing industrial sector, opening up new investment prospects. In 2019, new building projects in Japan occupied 127.55 million square meters. Residential and commercial development in India has increased as the country's service industry has grown. According to the Ministry of Housing and Urban Affairs, the Indian government announced an investment of around USD 27.54 billion for the building of 100 cities under the Smart Cities initiative.

The Chinese aerospace sector is one of the country's main industries, and the government is significantly investing in expanding local manufacturing capabilities. Furthermore, over the next 20 years, Chinese airlines expect to acquire around 7,690 new aircraft valued at approximately USD 1.2 trillion. In recent years, Asia-Pacific has dominated global vehicle production. However, the decrease in the region's car sector has severely impacted the market. With a manufacturing volume of 25.75 million vehicles, China is the world's largest automaker.

Competitive Intensity within the Industry:

Following the lockdown, the foreign market expanded and opened significantly, and as a result, many new faces have emerged in the global economic and industrial sectors. According to this, the rate of manufacturing has increased dramatically. To fulfill the worldwide people's needs, every industry is experiencing fierce rivalry in their area to provide a suitable output level. Investors are likewise eager to invest in the market's most notable companies.

The major industrial players in such industries are:

- Idemitsu Kosan Co. Ltd
- Royal Dutch Shell Plc.
- Fuchs Petrolub AG.
- ExxonMobil Corporation.
- Sinopec Limited.
- LUKOIL
- Chevron Corporation
- Petrochina Company Limited
- BP p.l.c.
- Total S.A.

Recent Market Development:

A few major companies control the hydraulic fluid market. The best corporations have used competitive tactics and investments to keep and extend their hydraulic fluid market share. Hydraulic fluids are employed in automotive applications such as brakes, clutches, and power steering systems. Hydraulic fluids used in the vehicle industry include brake fluids, clutch fluids, and power steering fluids. These fluids aid in the generation of force and protect the surfaces in touch from wear.

Report Overview:

All of the research reports examine the demand-supply facts, price structure, manufacturing rate, value chain, and other major elements influencing the growth of the worldwide biopolymers market. This research also includes a geographical analysis, which gives comprehensive information on market shares, values, and various market revenue sectors. This study report is filled with strategic market development and the influence of a worldwide pandemic on the current market condition.

Key Market Segmentation:

Type:

- Petroleum-Based Hydraulic Fluid
- Bio-Based Hydraulic Fluid
- Fire-Resistant Type

End-Use Industry:

- Oil & Gas
- Automotive
- Marine
- Aerospace & Defense
- Construction
- Others

Regional Basis:

- Asia-Pacific
- Europe
- North America
- South America
- Middle East & Africa

Table of Content:

Contents
1 Report Prologue

2 Market Definition

2.1 Definition 12

2.2 Scope of the Study 12

2.3 Research Objectives 12

2.4 Assumptions 13

2.5 Limitations 13

2.6 Markets Structure 13

3 Research Methodology

3.1 Research Process 14

3.2 Primary Research 15

3.3 Secondary Research 15

3.4 Market Size Estimation 16

3.5 Forecast Model 17

4 Market Dynamics

4.1 Drivers 18

4.1.1 Increasing crude oil production is a major market driver 18

4.1.2 Flourishing automotive industry has surged demand for hydraulic fluid over the past few years and it is anticipated to upkeep the demand during forthcoming years. 19

4.1.3 On account of stringent emission guidelines and regularly framework, Bio-based hydraulic fluids has emerged as new market driver with significant demand in global market 19

4.1.4 Increasing industrial production as well as rising industrialization has led demand for hydraulic fluid 19

4.2 Restraints 20

4.2.1 Unstable crude oil prices acts as a major restraining factor 20

4.2.2 Strict environmental regulations expected to pose as a growth barrier 20

4.3 Opportunities 21

4.3.1 Thriving automotive industry is expected to uncover healthy growth opportunities for hydraulic fluids during forthcoming years 21

4.4 Market Trends 21

4.4.1 Adoption of bio-based hydraulic fluid on account of environment safety 21

5 Market Factor Analysis

5.1 Supply Chain Analysis 22

5.1.1 Raw Material (Crude Purchase) 22

5.1.2 Hydraulic Fluids Producers (Refining/Processing) 22

5.1.3 Distributors 23

5.1.4 End-User(Market Players) 23

5.2 Porter's 5 Forces Analysis 24

5.2.1 Competitive Rivalry (High) 24

5.2.2 Threat of New Entrants (Relatively Medium) 25

5.2.3 Threat of Substitute (LOW) 25

5.2.4 Bargaining Power of Supplier (LOW) 25

5.2.5 Bargaining Power of Buyers (HIGH) 26

6 Global Hydraulic Fluid Market, by Type

6.1 Introduction 27

6.2 Petroleum Based Hydraulic fluid 29

6.3 Bio-Based Hydraulic fluid 30

6.4 Fire-resistant Type 32

7 Global Hydraulic Fluid Market, by End-Use Industry

7.1 Introduction 34

7.2 Oil & Gas 37

7.3 Automotive 38

7.4 Marine 39

7.5 Aerospace & Defense 40

7.6 Construction 42

7.7 Others (Mining, Forestry, and Agriculture) 43

8 Global Hydraulic Fluid Market, by Region

8.1 Introduction 44

8.2 North America 45

8.3 Europe 53

8.4 Asia Pacific 73

8.5 Latin America 84

8.6 Middle East & Africa 93

9 Competitive Landscape

9 Competitive Landscape 107

9.1 Introduction 107

9.2 Agreement 108

9.3 Expansion 110

9.4 Product Launch 112

9.5 Acquisition 113

9.6 Product Development and Joint Venture 114

10 Company Profile

10.1 Royal Dutch Shell plc. 116

10.1.1 Company Overview 116

10.1.2 Product/Business Segment Overview	116
10.1.3 Financial Overview	117
10.1.4 Key Developments	117
10.2 Exxon Mobil Corporation	119
10.2.1 Company Overview	119
10.2.2 Product/Business Segment Overview	119
10.2.3 Financial Updates	120
10.2.4 Key Developments	121
10.3 Dow	122
10.3.1 Company Overview	122
10.3.2 Product/Business Segment Overview	122
10.3.3 Financial Updates	123
10.4 BASF SE	124
10.4.1 Company Overview	124
10.4.2 Product/Business Segment Overview	124
10.4.3 Financial Updates	125
10.4.4 Key Developments	125
10.5 Condat	126
10.5.1 Company Overview	126
10.5.2 Product/Business Segment Overview	126
10.5.3 Financial Updates	126
10.5.4 Key Developments	126
10.6 Eastman Chemical Company	127
10.6.1 Company Overview	127
10.6.2 Product/Business Segment Overview	127
10.6.3 Financial Updates	127
10.6.4 Key Developments	127
10.7 Schaeffer Manufacturing Co	128
10.7.1 Company Overview	128
10.7.2 Product/Business Segment Overview	128
10.7.3 Financial Updates	128
10.7.4 Key Developments	128
10.8 LUKOIL Marine Lubricants DMCC	129
10.8.1 Company Overview	129
10.8.2 Product/Business Segment Overview	129
10.8.3 Financial Updates	129
10.8.4 Key Developments	129
10.9 Chevron Corporation.	130
10.9.1 Company Overview	130
10.9.2 Product/Business Segment Overview	130
10.9.3 Financial Updates	130
10.9.4 Key Developments	130
10.10 Indian Oil Corporation Ltd	131
10.10.1 Company Overview	131
10.10.2 Product/Business Segment Overview	131
10.10.3 Financial Updates	131
10.10.4 Key Developments	131

11 Conclusion

12 List of Tables

TABLE 1 GLOBAL HYDRAULIC FLUID MARKET BY TYPE, 2020–2027 (USD MILLION) 28

TABLE 2 GLOBAL HYDRAULIC FLUID MARKET BY TYPE, 2020–2027 (THOUSAND TONS) 29

TABLE 3 GLOBAL PETROLEUM BASED MARKET FOR HYDRAULIC FLUID, BY REGION 2020–2027 (USD MILLION) 29

TABLE 4 GLOBAL PETROLEUM BASED MARKET FOR HYDRAULIC FLUID, BY REGION 2020–2027 (THOUSAND TON) 30

TABLE 5 GLOBAL BIO-BASED MARKET FOR HYDRAULIC FLUID, BY REGION 2020–2027 (USD MILLION) 30

TABLE 6 GLOBAL BIO-BASED MARKET FOR HYDRAULIC FLUID, BY REGION 2020–2027 (THOUSAND TONS) 31

TABLE 7 GLOBAL FIRE-RESISTANT TYPE MARKET FOR HYDRAULIC FLUID, BY REGION 2020–2027 (USD MILLION) 32

TABLE 8 GLOBAL FIRE-RESISTANT TYPE MARKET FOR HYDRAULIC FLUID, BY REGION 2020–2027 (THOUSAND TONS) 33

TABLE 9 GLOBAL HYDRAULIC FLUID MARKET BY END-USER INDUSTRIES, 2020–2027 (USD MILLION) 35

TABLE 10 GLOBAL HYDRAULIC FLUID MARKET BY END-USER INDUSTRIES, 2020–2027 (THOUSAND TONS) 36

TABLE 11 GLOBAL OIL & GAS MARKET FOR HYDRAULIC FLUID, 2020–2027 (USD MILLION) 37

TABLE 12 GLOBAL OIL & GAS MARKET FOR HYDRAULIC FLUID, 2020–2027 (THOUSAND TONS) 37

TABLE 13 GLOBAL AUTOMOBILE MARKET FOR HYDRAULIC FLUID, 2020–2027 (USD MILLION) 38

TABLE 14 GLOBAL OIL & GAS MARKET FOR HYDRAULIC FLUID, 2020–2027 (THOUSAND TONS) 38

TABLE 15 GLOBAL MARINE MARKET FOR HYDRAULIC FLUID, 2020–2027 (USD MILLION) 39

TABLE 16 GLOBAL MARINE MARKET FOR HYDRAULIC FLUID, 2020–2027 (THOUSAND TONS) 39

TABLE 17 GLOBAL AIRCRAFT MARKET FOR HYDRAULIC FLUID, 2020–2027 (USD MILLION) 40

TABLE 18 GLOBAL AIRCRAFT MARKET FOR HYDRAULIC FLUID, 2020–2027 (THOUSAND TONS) 40

TABLE 19 GLOBAL INDUSTRIAL MACHINERY MARKET FOR HYDRAULIC FLUID, 2020–2027 (USD MILLION) 41

TABLE 20 GLOBAL INDUSTRIAL MACHINERY MARKET FOR HYDRAULIC FLUID, 2020–2027 (THOUSAND TONS) 41

TABLE 21 GLOBAL CONSTRUCTION MARKET FOR HYDRAULIC FLUID, 2020–2027 (USD MILLION) 42

TABLE 22 GLOBAL CONSTRUCTION MARKET FOR HYDRAULIC FLUID, 2020–2027 (THOUSAND TONS) 42

TABLE 23 GLOBAL OTHERS MARKET FOR HYDRAULIC FLUID, 2020–2027 (USD MILLION) 43

TABLE 24 GLOBAL OTHERS MARKET FOR HYDRAULIC FLUID, 2020–2027 (THOUSAND TONS) 43

TABLE 25 GLOBAL HYDRAULICFLUID MARKET, BY REGION 2020–2027 (USD MILLION) 44

TABLE 26 GLOBAL HYDRAULICFLUID MARKET, BY REGION 2020–2027 (THIUSAND TONS) 45

TABLE 27 NORTH AMERICA HYDRAULIC FLUID MARKET, BY COUNTRY 2020–2027 (USD MILLION) 45

TABLE 28 NORTH AMERICA HYDRAULIC FLUID MARKET, BY COUNTRY 2020–2027 (THOUSAND TON) 46

TABLE 29 NORTH AMERICA HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (USD MILLION) 46

TABLE 30 NORTH AMERICA HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (THOUSAND TON) 47

TABLE 31 NORTH AMERICA HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (USD MILLION) 47

TABLE 32 NORTH AMERICA HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (THOUSAND TON) 48

TABLE 33 US HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (USD MILLION) 48

TABLE 34 US HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (THOUSAND TON) 49

TABLE 35 US HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (USD MILLION) 49

TABLE 36 US HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (THOUSAND TON) 50

TABLE 37 CANADA HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (USD MILLION) 50

TABLE 38 CANADA HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (THOUSAND TON) 51

TABLE 39 CANADA HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (USD MILLION) 51

TABLE 40 CANADA HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (THOUSAND TON)	52
TABLE 41 EUROPEAN HYDRAULIC FLUID MARKET, BY COUNTRY 2020–2027 (USD MILLION)	53
TABLE 42 EUROPEAN HYDRAULIC FLUID MARKET, BY COUNTRY 2020–2027 (THOUSAND TON)	54
TABLE 43 EUROPEAN HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (USD MILLION)	55
TABLE 44 EUROPEAN HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (THOUSAND TON)	55
TABLE 45 EUROPEAN HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (USD MILLION)	56
TABLE 46 EUROPEAN HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (THOUSAND TON)	57
TABLE 47 GERMANY HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (USD MILLION)	57
TABLE 48 GERMANY HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (THOUSAND TON)	58
TABLE 49 GERMANY HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (USD MILLION)	58
TABLE 50 GERMANY HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (THOUSAND TON)	59
TABLE 51 UK HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (USD MILLION)	59
TABLE 52 UK HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (THOUSAND TON)	60
TABLE 53 UK HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (USD MILLION)	60
TABLE 54 UK HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (THOUSAND TON)	61
TABLE 55 RUSSIA HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (USD MILLION)	61
TABLE 56 RUSSIA HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (THOUSAND TON)	62
TABLE 57 RUSSIA HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (USD MILLION)	62
TABLE 58 RUSSIA HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (THOUSAND TON)	63
TABLE 59 FRANCE HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (USD MILLION)	63
TABLE 60 FRANCE HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (THOUSAND TON)	64
TABLE 61 FRANCE HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (USD MILLION)	64
TABLE 62 FRANCE HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (THOUSAND TON)	65
TABLE 63 SPAIN HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (USD MILLION)	65
TABLE 64 SPAIN HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (THOUSAND TON)	66
TABLE 65 SPAIN HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (USD MILLION)	66
TABLE 66 SPAIN HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (THOUSAND TON)	67
TABLE 67 ITALY HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (USD MILLION)	67
TABLE 68 ITALY HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (THOUSAND TON)	68
TABLE 69 ITALY HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (USD MILLION)	68
TABLE 70 ITALY HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (THOUSAND TON)	69
TABLE 71 POLAND HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (USD MILLION)	69
TABLE 72 POLAND HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (THOUSAND TON)	70
TABLE 73 POLAND HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (USD MILLION)	70
TABLE 74 POLAND HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (THOUSAND TON)	71
TABLE 75 REST OF THE EUROPE HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (USD MILLION)	71
TABLE 76 REST OF THE EUROPE HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (THOUSAND TON)	72
TABLE 77 REST OF THE EUROPE HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (USD MILLION)	72
TABLE 78 REST OF THE EUROPE HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (THOUSAND TON)	73
TABLE 79 ASIA PACIFIC HYDRAULIC FLUID MARKET, BY COUNTRY 2020–2027 (USD MILLION)	73
TABLE 80 ASIA PACIFIC HYDRAULIC FLUID MARKET, BY COUNTRY 2020–2027 (THOUSAND TON)	74
TABLE 81 ASIA PACIFIC HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (USD MILLION)	74
TABLE 82 ASIA PACIFIC HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (THOUSAND TON)	75
TABLE 83 ASIA PACIFIC HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (USD MILLION)	75
TABLE 84 ASIA PACIFIC HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (THOUSAND TON)	

TABLE 85 CHINA HYDRAULIC FLUID MARKET BY TYPE 2020–2027 (USD MILLION) 76

TABLE 86 CHINA HYDRAULIC FLUID MARKET BY TYPE 2020–2027 (THOUSAND TON) 77

TABLE 87 CHINA HYDRAULIC FLUID MARKET BY END-USE INDUSTRY 2020–2027 (USD MILLION) 77

TABLE 88 CHINA HYDRAULIC FLUID MARKET BY END-USE INDUSTRY 2020–2027 (THOUSAND TONS) 78

TABLE 89 JAPAN HYDRAULIC FLUID MARKET BY TYPE 2020–2027 (USD MILLION) 78

TABLE 90 JAPAN HYDRAULIC FLUID MARKET BY TYPE 2020–2027 (THOUSAND TONS) 79

TABLE 91 JAPAN HYDRAULIC FLUID MARKET BY END-USE INDUSTRY 2020–2027 (USD MILLION) 79

TABLE 92 JAPAN HYDRAULIC FLUID MARKET BY END-USE INDUSTRY 2020–2027 (THOUSAND TONS) 80

TABLE 93 INDIA HYDRAULIC FLUID MARKET BY TYPE 2020–2027 (USD MILLION) 80

TABLE 94 INDIA HYDRAULIC FLUID MARKET BY TYPE 2020–2027 (THOUSAND TONS) 81

TABLE 95 INDIA HYDRAULIC FLUID MARKET BY END-USE INDUSTRY 2020–2027 (USD MILLION) 81

TABLE 96 INDIA HYDRAULIC FLUID MARKET BY END-USE INDUSTRY 2020–2027 (THOUSAND TONS) 82

TABLE 97 REST OF THE ASIA HYDRAULIC FLUID MARKET BY TYPE 2020–2027 (USD MILLION) 82

TABLE 98 REST OF THE ASIA FLUID MARKET BY TYPE 2020–2027 (THOUSAND TONS) 83

TABLE 99 REST OF THE ASIA FLUID MARKET BY END-USE INDUSTRY 2020–2027 (USD MILLION) 83

TABLE 100 REST OF THE ASIA FLUID MARKET BY END-USE INDUSTRY 2020–2027 (THOUSAND TONS) 84

TABLE 101 LATIN AMERICA HYDRAULIC FLUID MARKET, BY COUNTRY 2020–2027 (USD MILLION) 84

TABLE 102 LATIN AMERICA HYDRAULIC FLUID MARKET, BY COUNTRY 2020–2027 (THOUSAND TON) 85

TABLE 103 LATIN AMERICA HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (USD MILLION) 85

TABLE 104 LATIN AMERICA HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (THOUSAND TON) 86

TABLE 105 LATIN AMERICA HYDRAULIC FLUID MARKET, BY END-USE R 2020–2027 (USD MILLION) 86

TABLE 106 LATIN AMERICA HYDRAULIC FLUID MARKET, BY END-USE R 2020–2027 (THOUSAND TON) 87

TABLE 107 BRAZIL HYDRAULIC FLUID MARKET BY TYPE 2020–2027 (USD MILLION) 87

TABLE 108 BRAZIL HYDRAULIC FLUID MARKET BY TYPE 2020–2027 (THOUSAND TON) 88

TABLE 109 ARGENTINA HYDRAULIC FLUID MARKET BY TYPE 2020–2027 (USD MILLION) 88

TABLE 110 ARGENTINA HYDRAULIC FLUID MARKET BY TYPE 2020–2027 (THOUSAND TON) 89

TABLE 111 ARGENTINA HYDRAULIC FLUID MARKET BY END-USE R 2020–2027 (USD MILLION) 89

TABLE 112 ARGENTINA HYDRAULIC FLUID MARKET BY END-USE R 2020–2027 (THOUSAND TON) 90

TABLE 113 REST OF THE LATIN AMERICA HYDRAULIC FLUID MARKET BY TYPE 2020–2027 (USD MILLION) 90

TABLE 114 REST OF THE LATIN AMERICA HYDRAULIC FLUID MARKET BY TYPE 2020–2027 (THOUSAND TON) 91

TABLE 115 REST OF THE LATIN AMERICA HYDRAULIC FLUID MARKET BY END-USE INDUSTRY 2020–2027 (USD MILLION) 91

TABLE 116 REST OF THE LATIN AMERICA HYDRAULIC FLUID MARKET BY END-USE INDUSTRY 2020–2027 (THOUSAND TON) 92

TABLE 117 MIDDLE EAST & AFRICA HYDRAULIC FLUID MARKET, BY COUNTRY 2020–2027 (USD MILLION) 93

TABLE 118 MIDDLE EAST & AFRICA HYDRAULIC FLUID MARKET, BY COUNTRY 2020–2027 (THOUSAND TONS) 93

TABLE 119 MIDDLE EAST & AFRICA HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (USD MILLION) 94

TABLE 120 MIDDLE EAST & AFRICA HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (THOUSAND TONS) 94

TABLE 121 MIDDLE EAST & AFRICA HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (USD MILLION) 95

TABLE 122 MIDDLE EAST & AFRICA HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (THOUSAND TONS) 96

TABLE 123 TURKEY HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (USD MILLION) 96

TABLE 124 TURKEY HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (THOUSAND TONS) 97

TABLE 125 TURKEY HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (USD MILLION) 97

TABLE 126 TURKEY HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (THOUSAND TONS) 98

TABLE 127 ISRAEL HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (USD MILLION)	98
TABLE 128 ISRAEL HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (THOUSAND TONS)	99
TABLE 129 ISRAEL HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (USD MILLION)	99
TABLE 130 ISRAEL HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (THOUSAND TONS)	100
TABLE 131 NORTH AFRICA HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (USD MILLION)	100
TABLE 132 NORTH AFRICA HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (THOUSAND TONS)	101
TABLE 133 NORTH AFRICA HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (USD MILLION)	101
TABLE 134 NORTH AFRICA HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (THOUSAND TONS)	102
TABLE 135 G.C.C. HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (USD MILLION)	102
TABLE 136 G.C.C. HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (THOUSAND TONS)	103
TABLE 137 G.C.C. HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (USD MILLION)	103
TABLE 138 G.C.C. HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (THOUSAND TONS)	104
TABLE 139 REST OF MEA HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (USD MILLION)	104
TABLE 140 REST OF MEA HYDRAULIC FLUID MARKET, BY TYPE 2020–2027 (THOUSAND TONS)	105
TABLE 141 REST OF MEA HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (USD MILLION)	105
TABLE 142 REST OF MEA HYDRAULIC FLUID MARKET, BY END-USE INDUSTRY 2020–2027 (THOUSAND TONS)	106
TABLE 143 AGREEMENT, 2020-2027	109
TABLE 144 EXPANSION, 2020-2027	111
TABLE 145 PRODUCT LAUNCH, 2020-2027	113
TABLE 146 ACQUISITION, 2020-2027	114
TABLE 147 PRODUCT DEVELOPMENT, AND JOINT VENTURE, 2020-2027	115
TABLE 148 ROYAL DUTCH SHELL: SEGMENTATION	116
TABLE 149 ROYAL DUTCH SHELL PLC: KEY DEVELOPMENT	117
TABLE 150 EXXON MOBIL CORPORATION: SEGMENTATION	119
TABLE 151 EXXON MOBIL CORPORATION: KEY DEVELOPMENT	121
TABLE 152 THE DOW CHEMICAL COMPANY: SEGMENTATION	122
TABLE 153 BASF SE: SEGMENTATION	124
TABLE 154 BASF SE: KEY DEVELOPMENT	125
TABLE 155 CONDAT: SEGMENTATION	126
TABLE 156 EASTMAN CHEMICAL COMPANY: SEGMENTATION	127
TABLE 157 EASTMAN CHEMICAL COMPANY: KEY DEVELOPMENT	128
TABLE 158 SCHAEFFER MANUFACTURING COMPANY: SEGMENTATION	129
13 List of Figures	
FIGURE 1 GLOBAL MICRO REACTOR TECHNOLOGY MARKET OUTLOOK (2020-2027)	11
FIGURE 2 MRFR RESEARCH PROCESS	14
FIGURE 3 TOP-DOWN AND BOTTOM-DOWN APPROACH	16
FIGURE 4 GLOBAL HYDRAULIC FLUID MARKET BY TYPE, 2020–2027 (USD MILLION)	27
FIGURE 5 GLOBAL HYDRAULIC FLUID MARKET BY TYPE, 2020–2027 (THOUSAND TONS)	28
FIGURE 6 GLOBAL HYDRAULIC FLUID MARKET BY END-USER INDUSTRIES, 2020–2027 (USD MILLION)	34
FIGURE 7 GLOBAL MARKET SHARE FOR HYDRAULIC FLUID MARKETM, BY REGION IN 2020 (%)	44
FIGURE 8 AGREEMENT, PRODUCT LAUNCH, AND EXPANSION WAS THE KEY GROWTH STARTERGY ADOPTED BY HYDRAULIC FLUID PLAYERS, 2020–2027	107
FIGURE 9 AGREEMENT: THE MAJOR STRATERGY ADOPTED BY, ROYAL DUTCH SHELL, EXXONMOBIL, EASTMAN CHEMICAL 2020–2027	108
FIGURE 10 EXPANSION: THE MAJOR STRATERGY ADOPTED BY, ROYAL DUTCH SHELL, BASF SE, AND EASTMAN CHEMICAL 2020–2027	110

FIGURE 11 PRODUCT LAUNCH: THE MAJOR STRATEGY ADOPTED BY, ROYAL DUTCH SHELL, 2020–2027 112

FIGURE 12 ACQUISITION: THE MAJOR STRATEGY ADOPTED BY, ROYAL DUTCH SHELL, AND EASTMAN CHEMICAL 2012–2017 113

FIGURE 13 PRODUCT DEVELOPMENT, AND JOINT VENTURE ADOPTED BY, ROYAL DUTCH SHELL, AND BASF SE 2012–2017 114

FIGURE 14 ROYAL DUTCH SHELL: RECENT FINANCIALS 117

FIGURE 15 EXXON MOBIL CORPORATION: RECENT FINANCIALS 120

FIGURE 16 EXXON MOBIL CORPORATION: RECENT FINANCIALS BY REGION 120

FIGURE 17 THE DOW CHEMICAL COMPANY: RECENT FINANCIALS BY REGION 123

FIGURE 18 BASF SE: RECENT FINANCIALS BY REGION 125