

Electric Vehicles Fluids: Market Analysis and Opportunities

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1st edition

The performance requirements for the various fluids consumed in electric vehicles (EVs) may be significantly different from those used in conventional Internal Combustion Engine (ICE) vehicles. Besides being different from ICE vehicle fluids, the performance requirements of EV fluids may differ based on the technology used to implement electric drive. Thus, the growth of EVs may herald a new lubricant market niche specifically focused on the lubrication needs of EVs.

Regional Coverage:

- China
- Europe
- Japan
- United States

SCOPE

- › Assessment of the current and projected EV fleet in terms of overall size, technologies used, and key OEMs
- › Analysis of fluid requirements for different EV technologies
- › Assessment of the impact of various EV on EV fluid specification and demand
- › EV maintenance and fluid change practices and the resultant demand for EV fluids
- › Identification of opportunities for lubricants

**FEATURING
FORECASTS TO 2040**

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Introduction

Executive Summary

An overview of the report findings

Country Profiles

- Detailed profiles of four markets (listed in Table 1) will be provided, including the following information:

Electric Passenger Vehicle Fleet Size and Growth

- Description of current overall electric vehicle fleet and growth
- BEV and PHEV fleet size, sales by brand, and growth
- Factors influencing electric vehicles sales
- 2040 outlook

Trends in Electric Passenger Vehicle Configurations

- Description of emerging EV architectures
- Technology trends in the production of PHEVs and BEVs
- Analysis of the various approaches adopted by OEMs and tier 1 and 2 suppliers
- Technology focus of leading EV OEMs, introduction of new models, and their relationship with lubricant suppliers

Electric Vehicles Fluids Market Analysis

Engine oils for PHEVs, transmission fluids, coolants, and grease markets will be profiled covering the topics listed below

- Typical/key OEM specifications
- Maintenance practices and drain intervals
- Overall demand and splits by factory fill versus service fill and by EV technology
- Pricing points in comparison to ICE products and value of the market
- 2040 outlook

Market Appraisal

- Impact of technological evolution in electric vehicle fluids demand
- Implications for lubricant industry participants
- Market opportunities and challenges

Table 1: List of Countries/Regions

China

Europe (France, Germany, United Kingdom)

Japan

The United States

REPORT BENEFITS

This report assists lubricant industry participants in identifying opportunities and challenges within the EV fluids market. It will also serve as an invaluable tool in the strategic planning process. Specifically, the report helps subscribers:

Develop an understanding of the emerging EV technologies that are reshaping the automotive fluids market

Assess current and future demand for various EV fluids based on EV maintenance and fluid change practices

Understand the emerging performance requirements for EV fluids

Design and develop products

METHODOLOGY

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