Technical Data Sheet

# Shell **E-Fluids E6 iX**

- *Premium Performance*
- *Designed for Electric Vehicle*

***Top Tier Premium Synthetic E-Fluids Designed for Integrated Wet E-Motor Battery Electric Vehicles***

Shell E-Fluids E6 iX is engineered for integrated wet e-Motor design battery electric vehicles. It has the latest cutting-edge technology to exceed the latest electric vehicle transmission requirements. Specially formulated with synthetic base oils and additive technology unique to Shell and to provide our OEM partners and customers with the solution that exceed the future demand of the electric vehicle transmissions.
Designed to meet challenges.

## Performance, Features & Benefits

- **Excellent Copper Corrosion Protection**

  Protecting winding in the e-motor and prolong the life of e-motor

- **Outstanding Electrical Properties**

  Protecting winding in the e-motor and prolong the life of e-motor and to prevent electrical short-cut

- **Excellent Surface and Bearing Protection Performance**

  Protect the surface of the gearset, bearing, minimize micro-pitting and prolong component lif

- **Outstanding Cooling Properties**

  Dissipate the heat from the e-motor and lowering the operating temperature

- **Well-balanced Friction and Clutch Performance**

  Deliver stable friction characteristics, tested for limited slip differentials and transfer cases

- **Excellent Shear Stability**

  Stay in grade even after shearing. This will help to protect the component because of consistent oil film thickness

- **Novel Antifoam Technology**

  Outstanding surface properties that help to improve the component protection through reduced cavitation potential

- **Excellent Thermal and Oxidation Stability**

  Long oil life and demonstration for fill-for-life application

- **Superior Synchronizer Compatibility**

  Designed for the demanding requirements of the future transmissions in electric vehicle

## Main Applications

Top Tier E-Fluids for Integrated Wet E-Motor Battery Electric Vehicle

Developed for use in applications calling for integrated wet e-motor transmission equipped in the battery electric vehicle

## Specifications, Approvals & Recommendations

- For a full listing of equipment approvals and recommendations, please consult your local representative.

## Typical Physical Characteristics

| Properties | | | Method | Shell E-Fluids E6 iX |
|---|---|---|---|---|
| **Density** | @15°C | kg/m³ | ASTM D4052 | 827 |
| **Pour Point** | | °C | ASTM D97 | -60 |
| **Flash Point** | | °C | ASTM D92 | 230 |
| **Kinematic Viscosity** | @40°C | cSt | ASTM D445 | 28 |
| **Kinematic Viscosity** | @100°C | cSt | ASTM D445 | 6.0 |

These characteristics are typical of current production.

## Health, Safety & Environment

- **Health and Safety**

  This product is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

  Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

  Guidance on Health and Safety is available on the appropriate Safety Data Sheet.

- **Protect the Environment**

  Take used oil to an authorised collection point. Do not discharge into drains, soil or water.