Mobil

Mobil EV™ Cool Drive 308

Mobil Passenger Vehicle Lube , 中国

Integrated Electric Motor / Reduction Gearbox Fluid

Product Description

Mobil EV Cool Drive 308 is a full synthetic, high performance, high efficiency fluid for electric vehicle transmission with oil-cooled e-motor integrated with reduction gearbox. Its advanced formulation and combining optimum lubrication characteristics and heat transfer capabilities for use in electric powertrain applications, where thermal management and compatibility with electrical components is equally important as lubrication of critical parts in motion. Outstanding copper and e-motor material compatibility, good gear protection and oxidation performance. Suitable for high voltage EV architecture.

Features and Benefits

Advantages offered by Mobil EV Cool Drive 308:

• High volume resistivity helps minimize the risk of electric short circuits, static discharge, and allows for direct contact with electrical components

• Extended fluid life through superior thermal-oxidative stability and outstanding resistance against sludge and deposit formation

• Excellent corrosion protection and thermal-oxidative stability to maintain system cleanliness over equipment life

• Outstanding copper and e-motor material compatibility ensure the electrical safety of high voltage EV architecture.

• Superior anti-foam performance that brings outstanding component protection by reducing and eliminating potential of cavitation.

• Excellent cooling performance that greatly dissipate heat from e-motor to lower component temperature, and allows for higher power output.

Further

Maintains excellent viscosity control over a wide range of temperatures, reducing viscous drag, which in turn helps vehicles go further between charges.

Longer

Helps prolong the life of your electrified vehicles, protecting components from wear, while helping prevent your electric motor from overheating. Helps extend the life of your gears/gearbox, bearings & electric motor.

Safer

Helps keep your vehicles and components running safely. Designed to be compatible with conductive and insulating materials.

Applications

Mobil EV Cool Drive 308 is a full synthetic, high performance, high efficiency fluid for electric vehicle transmission with oil-cooled e-motor integrated with reduction gearbox, balancing lubrication performance with cooling properties for electric components.

Properties and Specifications

Property	
Density @ 15.6 C, g/ml, ASTM D4052	0.8439
Flash Point, Cleveland Open Cup, °C, ASTM D92	208

Property	
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	22.43
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	5.03
Viscosity Index, ASTM D2270	159
Brookfield Viscosity @ -40 C, mPa.s, ASTM D2983	5072
Pour Point, °C, ASTM D97	-51
Copper Strip Corrosion, 3 h, 100 C, Rating, ASTM D130	1a
FZG A/10/16.6R/90 Load Carrying Capability, FLS, CEC L-084-02	8
Dielectric Breakdown, 60 Hz, VDE Electrodes, 0.04", kV, ASTM D1816	77.8
Copper Strip Corrosion, 168hrs, 150C, Rating, ASTM D130	1B

Health and safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ http://www.msds.exxonmobil.com/psims/psims.aspx

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