



Mobil EV™ Cool Drive MS 304

Mobil Passenger Vehicle Lube , 中国

Integrated Electric Motor / Reduction Gearbox Fluid

Product Description

Mobil EV Cool Drive MS 304 is tailored specifically for oil-cooling electric vehicle as well as hybrid vehicles, with superior friction performance for synchronizer system and clutches and provide outstanding anti-copper corrosion performance and materials compatibility.

Features and Benefits

1. High volume resistivity helps minimize the risk of electric short circuits and allows for direct contact with electrical components
2. Compatible with conductive and insulating materials
3. Extended fluid life through superior thermal-oxidative stability and outstanding resistance against sludge and deposit formation
4. Excellent corrosion protection and thermal-oxidative stability to maintain system cleanliness over equipment life
5. Provides excellent friction control, suitable for select clutch plate operated shift devices
6. Superior friction performance for synchronizer system and clutches

Features	Advantages and Potential Benefits
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.

Applications

Mobil EV Cool Drive MS 304 is designed for use in electric vehicle reduction gearboxes with and without integrated electric motor, balancing lubrication performance with cooling properties for electric components.

Properties and Specifications

Property	
Flash Point, Cleveland Open Cup, °C, ASTM D92	232
Density @ 15 C, g/ml, ASTM D4052	0.8373
Pour Point, °C, ASTM D97	-57
Copper Strip Corrosion, 3 h, 150 C, Rating, ASTM D130	1B
Kinematic Viscosity @ 40 C, mm ² /s, ASTM D445	28.3
Kinematic Viscosity @ 100 C, mm ² /s, ASTM D445	5.9

Property	
Viscosity Index, ASTM D2270	160
Brookfield Viscosity @ -40 C, mPa.s, ASTM D2983	5300

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>

All trademarks used herein are trademarks or registered trademarks of Exxon Mobil Corporation or one of its subsidiaries unless indicated otherwise.

12-2022

ExxonMobil (China) Investment Co. Ltd

17th Floor, Metro Tower

30 Tian Yao Qiao Road

Shanghai 2000030

China

+86 21 24076000

<http://www.exxonmobil.com>

Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com

ExxonMobil is comprised of numerous affiliates and subsidiaries, many with names that include Esso, Mobil, or ExxonMobil. Nothing in this document is intended to override or supersede the corporate separateness of local entities. Responsibility for local action and accountability remains with the local ExxonMobil-affiliate entities.

Energy lives here™

ExxonMobil

Exxon Mobil  

© Copyright 2003-2023 Exxon Mobil Corporation. All Rights Reserved