

Aykos IONEX EV-AXLE FLUID



For wet and multi-speed e-axes in electric vehicles

Product description and properties

Aykos IONEX EV-AXLE FLUID is a gear oil based on synthetic technology that has been specially developed for use in electric vehicles with single- and multi-speed e-axes. It is characterized by high performance as well as excellent EP and wear protection properties, thereby ensuring reliable protection of gears and bearings. In addition, it provides excellent electrical insulation properties and very good material compatibility with copper, other non-ferrous metals and their alloys used in modern electric vehicles. Excellent electrical and thermal properties allow its use in both wet and dry e-axle systems.

Aykos IONEX EV-AXLE FLUID provides:

- Superior oxidation stability and stable friction properties.
- Higher transmission efficiency, contributing to improved e-axle efficiency.
- Optimal temperature control.
- Excellent anti-foam and air release properties.
- High material compatibility with copper windings, non-ferrous metals and other materials.

Application

Aykos IONEX EV-AXLE FLUID is intended for use in electric vehicles equipped with wet or dry, single- or multi-speed e-axes.

Specifications / Recommendations

Audi eTron and eTron Sportback
BAIC EU-Series
BYD Qin Pro EV
BYD BOT 384
ChangAn
Chevrolet Volt
Chevrolet Bolt
Chevrolet Bolt EUV
Chevrolet Spark
Ford E-Transit
Ford Focus Electric
Ford Mustang Mach E
Ford F-150 Lightning (2022)
GAC Aion S/LX/V
Geely
GMC Hummer EV
GWM mit BorgWarner E- Axles
Honda Clarity FCEV
Honda e and e-Advance
Honda Fit EV
Hyundai Ioniq
Kia e-Niro
Lexus RX
Lexus UX300e
Lucid Air
Mazda MX-30
MB EQA

MB EQC
MB EQV
MB E-Sprinter
MG MG5 EV
Nio ES6/8, EC6, ET7
Nissan Leaf
Nissan e-NV200
Opel Ampera E
Polestar Model 2
Porsche Taycan 4S
Renault Zoe Z.E.
Renault Fluence Z.E.
Renault Kangoo Z.E., Twizy
SAIC MG ZS EV
Scion iQ EV
Tesla Model 3
Tesla Model 3 Dual Motor
Tesla Model S
Tesla Model X
Tesla Model Y
Tesla Model X90D
Toyota bZ4X
Toyota Mirai
Volvo XC40 (only BEV, SUV)
VW e-Golf
XiaoPeng G3

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Reference values

Aykos IONEX EV-AXLE FLUID	unit	value	Method
Density at 15°C	kg/m ³	850	DIN 51 757
Viscosity at 40°C	mm ² /s	22,4	DIN 51 562
Viscosity at 100°C	mm ² /s	5	DIN 51 562
Viscosity Index		161	DIN ISO 2909
Pourpoint	°C	-54	DIN ISO 3016

Article no: 119703-XXX

We reserve the right to make changes to the technical data.
Please observe the regulations of the machine manufacturer.
For further information, please refer to the safety data sheet.

K2 Kfz-Ersatzteile Grosshandel GmbH
Grünbergstraße 40
D-47445 Moers
Telephone: +49 (0)2841-8827000

www.aykos.de
info@aykos.de