

Castrol ON EV Transmission Fluid D1

Fluid for transmissions with dry e-Motors

Description

Castrol ON EV Transmission Fluid D1 is a full synthetic, high performance, high efficiency fluid for transmissions with dry e-Motors. It is an advanced EV Transmission Fluid that helps extend the life of the drivetrain system and go further^{1*} on a single charge. This next generation transmission fluid supports the requirement towards increasing torque levels and maximum efficiency.

** Castrol EV Fluids benefits are demonstrated in bespoke testing and development.*

¹ vs mass market EV factory fill fluid.

Application

Castrol ON EV Transmission Fluid D1 is a full synthetic, high performance, high efficiency fluid for transmissions with dry e-Motors.

Advantages

- Excellent balance of reduced fluid viscosity and extremely good gear and bearing protection
- Very good cold flow properties
- High shear stability
- Excellent thermal and oxidative stability

Typical Characteristics

Name	Method	Units	ON EV Transmission Fluid D1
Density @ 15C	DIN EN ISO 12185	g/ml	0.849
Viscosity, Kinematic 100C	ASTM D445	mm ² /s	4.6
Viscosity, Kinematic 40C	ASTM D445	mm ² /s	18
Viscosity Index	ISO 2909	None	193
Viscosity, Brookfield @ -26C (80W)	DIN 51398	mPa.s (cP)	720
Viscosity, Brookfield @ -40C (75W)	DIN 51398	mPa.s (cP)	3500
Pour Point	ISO 3016	°C	-48
Flash Point, COC	ISO 2592	°C	202

Performance

Suitable for use in the following EV transmissions:

Aiways U5

Buick Velite

Chery Tiggo Kunpeng e plus, Jetour X90

Dong Feng Lantuo, Voyah (dry motors)

Enovate ME5

GWM all models with dry motor

Hozon Neta

Hyundai Kona Electric

Kia e-Niro, Soul EV, EV6

Maxus EUNIQ 7

Maxus eDeliver 3, eDeliver 9

Mercedes Benz EQE+, EQS

Rimac Nevera (front motor)

Pininfarina Battista (front motor)

SGM Velite

Weltmeister EX5, EX6

Vinfast VF e34, VF e35, VF 8, VF 9

Castrol ON EV Transmission Fluid D1

05 Feb 2025

Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

Castrol (UK) Limited, PO BOX 354, Chertsey Road, Sunbury On Thames, Middlesex, TW16 9AW

www.castrol.com