

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

Castrol ON EV Transmission Fluid D1 has the following 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

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