

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	4.5
Viscosity, Kinematic 40C	ASTM D445	mm ² /s	18
Viscosity Index	ISO 2909	None	190
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	188

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

Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

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