



## 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 helps vehicles go further<sup>1</sup> on a single charge. This next generation transmission fluid supports the requirement towards increasing torque levels and maximum efficiency.

*For professional use only.*

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

*<sup>1</sup> vs mass market EV factory fill fluid.*

### Application

**Castrol ON EV Transmission Fluid D1** is suitable for the following vehicles:

Aiways U5  
Buick Velite  
Chery Tiggo Kunpeng e plus, Jetour X90  
Dong Feng Voyah - Dry motors  
Enovate ME5  
GWM Ora - Dry motor  
Hozon Neta  
Maxus EUNIQ 7 (fuel cell)  
Maxus (LDV) eDeliver 9  
Mercedes Benz EQS, EQE+  
Mini eMini (in 2022)  
Rimac Nevera - Front motor  
Pininfarina Battista - Front motor  
SGM Velite  
Weltmeister EX5 EX6  
Vinfast VF e34, VF 8, VF 9

## 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 <sup>2</sup> /s	4.6
Viscosity, Kinematic 40C	ASTM D445	mm <sup>2</sup> /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

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