



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^{1*} 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.

¹ 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
Mercedez 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 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 |

Subject to the usual manufacturing tolerances.

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 the obliteration of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

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