

Quartz EV-Drive R 3.1

New Generation Synthetic E-Fluid for Highly Stressed Gearboxes and Reducers

KEY DATA

Quartz EV-Drive R 3.1 is a synthetic fluid especially designed for new generation of electric drivetrain reducers operating under extreme conditions.

This product fits perfectly with the requirements of highly stressed gearboxes and single-speed reducers in use within latest generation of Fully Electric Vehicles.



Electrification type:
Fully Electric Vehicles

Specifications:
API GL-4 level
75W viscosity grade acc. to SAE J306



Application:
Single-speed reducers

Approvals:
Renault-Nissan single-speed reducers (RA0, RE0 and RD0)
Valeo Special Vehicle Applications (eAccess)
Suitable for:
Tata Nexon, Tata Tigor, Tata Tiago, ...
MG ZS EV
Mahindra E20

Customer Benefits:

- Excellent anti-wear and extreme-pressure capabilities for extended durability of gears and rolling bearings rotating at very high speed.
- Shows optimal anti-foaming and air release properties through the entire lifetime of the vehicles.
- Outstanding resistance to shear while providing high viscosity index and low pour point: perfect lubrication at all temperatures.
- Designed for excellent pumpability at very low temperature.

EV FLUID TECHNOLOGY

Compatibility Augmented

Upgrades e-transmissions durability.

Compatibility Augmented technology prevents wear and allows various materials to be resistant against corrosion, which helps to provide a better gear shifting experience to customers. particles emissions.

Compatibility Augmented technology is designed with sulfur-optimized formulation that is perfectly fitting with all hybrid electric transmission materials, providing maximum protection of copper materials present in the component.



CHARACTERISTICS¹

TEST	UNIT	TEST METHOD	RESULT
Kinematic viscosity at 100°C	mm ² /s	ASTM D445	6.5
Flashpoint	°C	ASTM D92	202
Pour point	°C	ASTM D97	-45
Density	Kg/m ³	ASTM D4052	847

¹ The characteristics given above are obtained with a standard tolerance threshold during production and may not be considered specifications.

RECOMMENDATIONS FOR USE

Before using the product, the vehicle's maintenance guide should be checked. Oil changes should be carried out in accordance with the manufacturer's recommendations.

The product should not be stored at temperatures over 60°C. It should be kept away from sunlight, intense cold and extreme temperature fluctuations. If possible, the packaging should not be exposed to the elements. Otherwise, the drums should be laid horizontally in order to avoid any contamination from water and to prevent the product's label from rubbing off.

HEALTH, SAFETY AND THE ENVIRONMENT

Based on the toxicological information available, this product should not cause any adverse health effects, provided it is used for its intended purpose and in accordance with the recommendations laid out in the Safety Data Sheet (SDS).

This can be obtained on request from your local reseller and is available for consultation at <https://ms-sds.totalenergies.com>.

This product should not be used for any purposes other than the ones for which it is intended.

