



Shandong Ribang New Energy Technology Co., Ltd.

Technical Data Sheet (TDS)

Product Model: Dual-Clutch Transmission Fluid

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Basic Product Information

Product Name: DCT-DW7 Dual-Clutch Transmission Fluid (Yellow)

Specification Grade: Complies with Q/RBSH 101-2021 standard, and meets the specification requirements of various wet dual-clutch transmissions for Volkswagen, BMW, BYD, Chery and other brands.

Product Description

Formulated with deeply refined high viscosity index base oil and blended with special additives, this product is specially developed for wet Dual-Clutch Transmissions (DCT) of various passenger vehicles. It integrates excellent low-viscosity fluidity, high-temperature stability and anti-wear protection performance. It can well adapt to the special working conditions of frequent gear shifting and alternating operation of dual clutches of DCT transmissions, inhibit clutch slipping and wear, and extend the service life of the transmission. It is compatible with various 6/7/8-speed dual-clutch transmission models, and optimizes shifting smoothness, power transmission efficiency and overall durability.

Performance Level

Wear Resistance and Material Compatibility:

With reasonable material compatibility, the product delivers highly stable power output. Its excellent wear resistance effectively extends the service life of the transmission.

Foam Resistance:

The product features outstanding foam suppression performance. It can rapidly eliminate foam generated during system operation, avoiding problems such as unstable transmission pressure and delayed power transmission caused by foam.

Viscosity and Viscosity-Temperature Characteristics:

This product features moderate viscosity and outstanding viscosity-temperature performance, delivering excellent low-temperature performance and fluidity. It satisfies the operating requirements of mechanical equipment under both high and low temperature conditions, and provides comprehensive protection for equipment immediately upon start-up.

Rust & Corrosion Protection and Oxidation Stability:

Formulated with premium-quality formula, the product boasts excellent rust and corrosion resistance to effectively protect metal components in the gear system. It also offers superior oxidation stability, greatly extending the service life of equipment, service life of the oil, and the oil drain interval.

Application Scope and Compliance Specifications

Q/RBSH 101-2021, JASO

Application:Complies with the fluid standard requirements for models equipped with wet DCT transmissions of Volkswagen, BMW, Mercedes-Benz, Audi, BYD, Great Wall, Geely and other brands.

For viscosity selection and oil change intervals, please refer to the vehicle owner's manual or the original manufacturer's recommendations.

Typical Physical and Chemical Performance Indicators

Performance	Typical Values	Unit	Test Method
Density (20°C), g/cm³	0.839	g/cm³	SH/T 0604
Kinematic Viscosity (40°C), cSt	-	cSt	GB/T 265
Kinematic viscosity (100°C), cSt	7.25	cSt	GB/T 265
Pour point, °C	-44	°C	GB/T 3535
Flash point (open cup), °C	210	°C	GB/T 3536

Data in this Technical Data Sheet are typical laboratory average values for technical reference only and shall not constitute a quality commitment or acceptance basis. The company reserves the right to optimize the formulation and fine-tune specifications to ensure the product consistently meets the requirements of Q/RBSH 101-2021. Typical product values may vary slightly due to production batches in the future without affecting the core performance of the product.

Packaging Method: Drum

- **Handling/Storage Precautions:**
- **Follow standard lubricant handling procedures.**
- **Store in a well-ventilated, dry location, away from high temperatures and direct sunlight.**
- **For detailed data, please refer to the relevant MSDS.**
- **For additional information, contact Ribang Company.**

July 10, 2026

Disclaimer:

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