

## IDEMITSU CVTF Type TLS FE

### Premium Continuously Variable Transmission Fluid

#### Description and Application

Idemitsu CVTF Type TLS FE has been designed to meet the service fill for use in Continuous Variable Transmissions (CVTs) for Toyota, Lexus and Scion vehicles. This advanced technology formulation is designed to exceed the specific performance requirements, including the unique friction reduction property for the latest generation CVTs such as AWFCX 12 and AWCX 18 transmission from Aisin. Idemitsu CVTF Type TLS FE could be used where Toyota CVT Fluid FE is specified.

#### Features and Benefits

This advanced additive technology formulation incorporates proprietary additive technology with high performance base stocks to provide superior performance in Fuel Efficient CVTs. The top quality base oils and proprietary additive formulation provide unique friction reduction property to ensure superior performance including:

- **Maximum Fuel Economy** – Idemitsu CVTF Type FE delivers sufficient hydraulic pressure on the belt for accurately shifting diameter in the driver pulley and driven pulley for achieving all-out torque transfer thereby contributing to maximum fuel economy.
- **Friction Reduction and Torque Transfer** – Idemitsu CVTF Type FE maintains optimum distance between the belt and the pulley in meeting the required friction reduction performance to provide seamless torque transfer from the engine to the wheels.
- **Optimum Engine Speed** – Idemitsu CVTF Type FE provides superior performance in achieving optimum gear ratio in the CVT to ensure that the most appropriate amount of energy from fuel combustion is used.

#### Typical Characteristics

Test	Unit	Method	Value
Color		Visual	Red
Kinematic Viscosity @ 40°C	mm <sup>2</sup> /s	ASTM D445	22.98
Kinematic Viscosity @ 100°C	mm <sup>2</sup> /s	ASTM D445	5.32
Viscosity Index	-	ASTM D2270	177
BF Viscosity @ -40°C	mPa.s	ASTM D2983	5184

#### Specifications & Approvals

Idemitsu CVTF Type FE is engineered for CVTs where it requires the following specification:

CVTF Type FE service requirement for Toyota, Lexus and Scion vehicles

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#### Idemitsu is ISO Certified:

ISO 9001:2008  
ISO 14001:2004  
ISO/TS 16949:2009



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Typical properties are provided as reference and may vary slightly. They do not constitute a specification.  
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