

**CERTIFICATE OF ANALYSIS**

**TMC Product ID: VOLD18**

Product Purpose: Reference Calibration Check Oil for ASTM D5800

Product Description: Fully Formulated Engine Oil

TMC Batch Number: 20180709

Certificate Issue Date: 2018-12-21

SAE J300 Viscosity Grade: 0W-20

Performance Targets in D5800 Procedures B and C\*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | **95% Acceptance Limits\*\*** |
| **Oil Code** | **Parameter** | **n** | **Mean** | **sR** | **Lower** | **Upper** |
| VOLD18 | mass % evaporation loss | 47 | 12.06 | 0.46 | 11.2 | 13.0 |

\*As established by the ASTM D02.B0.07 Volatility Surveillance Panel; see minutes from the 2018-12-05 panel virtual meeting for more details.

\*\*95% Acceptance Limits = Mean + (1.96 sR)

 This product has no established expiration date, empirical or otherwise, for an unopened container.

Store reference oils under cover in locations where the ambient temperature is between -10 °C and +50 °C.

Certificate approved 2018-12-21 by:

Analytical Services Supervisor

ASTM Test Monitoring Center

412-365-1013