



Test Monitoring Center

@ Carnegie Mellon University
6555 Penn Avenue, Pittsburgh, PA 15206, USA

<http://astmtmc.cmu.edu>
412-365-1000

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: 20180709B
Certificate Issue Date: 2020-07-02

Performance Targets in D5800 Procedures B, C and D*

Oil Code	Parameter	n	Mean	sR	95% Acceptance Limits**	
					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 Lubricant Test Monitoring System (LTMS) D5800 Section for more details.

**95% Acceptance Limits = Mean \pm (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.

Brittany J. Pfleegor
Supervisor, Analytical Testing
ASTM Test Monitoring Center
Ph: 412-365-1013
bjp@astmtmc.cmu.edu