

**Test Method D7528**  
**Bench Oxidation of Engine Oils by ROBO Apparatus**  
 Version \_\_\_\_\_  
 Conducted For \_\_\_\_\_

	<b>V = Valid</b>
	<b>I = Invalid</b>

	<b>NR = Non-Reference Test Oil</b>
	<b>RO = Reference Oil Result</b>

Test Number	
<b>Instrument ID:</b>	<b>Test Run Number:</b>

Date Completed:	Time Completed:
Oil Code:	
Alternate Oil Codes:	

In my opinion this test _____ been conducted in a manner in accordance with the Test Method D7528. The remarks included in this report describe the anomalies associated with this test.
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Submitted By: \_\_\_\_\_

Testing Laboratory

Signature

Typed Name

Title

Test Report Cover

**Test Method D7528**  
**Bench Oxidation of Engine Oils by ROBO Apparatus**

**Form 2**

Oil Code:
Lab Sample Code:

Testing Laboratory:	TMC Oil Code:
Date Completed:	Time Completed:

Instrument ID:	
Test Run Number:	Run Number of Last TMC Calibration:
Date of Last TMC Calibration:	TMC Calibration Expiration Date:

Operational Parameters	
Test Method-Version	
Nitrogen Dioxide Delivery Option (Liquid or Dilute)	
Total Nitrogen Dioxide Delivered, ml	
Vacuum Pump Serial Number	
Vacuum Pump Serial Number at Last TMC Calibration	
Reactor Vessel ID	
Reactor Vessel ID at Last TMC Calibration	
Reactor Vessel Heater Voltage, volts	
Reactor Vessel Heater Voltage at Last TMC Calibration, volts	
Vacuum Control Valve Total Number of Turns from Full Open to Full Close, no. 360° revolutions to the nearest quarter turn	
Vacuum Control Valve Set Point at Time of Last TMC Calibration (number of turns from full open), no. 360° revolutions to the nearest quarter turn	
Vacuum Control Valve Set Point for This Test (number of turns from full open), no. 360° revolutions to the nearest quarter turn	
SAE J300 Engine Oil Viscosity Classification	
Net Volatiles Collected at End of Test, g	
Volatiles at End of Test, mass %	
Vacuum Pressure Check On Closed System at Start of Test, kPa	
Vacuum Pressure Check On Closed System at End of Test, kPa	

Test Results	
New Oil D445 Kinematic Viscosity @ 40°C, mm <sup>2</sup> /s	
Aged Oil D445 Kinematic Viscosity @ 40°C, mm <sup>2</sup> /s	
Percent Increase Kinematic Viscosity @ 40°C After Aging, %	
D5293 Cold Crank Simulator Test Temperature, °C	
Aged Oil D5293 Cold Crank Simulator Apparent Viscosity, mPa-s	
D4684 Mini-Rotary Viscometer Test Temperature, °C	
Aged Oil D4684 Mini-Rotary Viscometer Apparent Viscosity, mPa-s	
Aged Oil D4684 Yield Stress, Pa	

**Test Method D7528  
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**Form 3**

Oil Code:
Lab Sample Code:

Testing Laboratory:	TMC Oil Code:
Date Completed:	Time Completed:

Instrument ID:	
Test Run Number:	
Date of Last TMC Calibration:	TMC Calibration Expiration Date:

**Out-of-Limit Data and Time, Test Modifications and Comments**

Number of Comment Lines		

**Comment Summary**