

Report Forms

**TEST METHOD D5480
ENGINE OIL VOLATILITY BY GAS CHROMATOGRAPHY TEST**

VERSION VGC VERSION 20020201

TEST METHOD^A CCCCCCCC

CONDUCTED FOR

CC
CC

| | |
|---|-------------|
| C | V = VALID |
| | I = INVALID |

| Test Number | |
|-----------------------------------|-----------------------------------|
| Instrument ID: CCCCCCCCCCCCCCCCCC | Instrument Run Number: CCCCCCCCCC |

| | | | |
|-------------------------------|------------------|------------------|------------------|
| Date Completed: YYYYMMDD | EOT Time: HH:MM | | |
| Oil Code: ^B CCCCCC | | | |
| Alternate Codes: | CCCCCCCCCCCCCCCC | CCCCCCCCCCCCCCCC | CCCCCCCCCCCCCCCC |

In my opinion this test CCCCCCCC been conducted in a manner in accordance with the Test Method D5480 and the appropriate amendments through the information letter system. The remarks included in this report describe the anomalies associated with this test.

^A D5480

^B CMIR or Non-reference Oil Code

SUBMITTED BY: _____
Testing Laboratory
Signature Image

Signature

Typed Name

Title

**TEST METHOD D5480
ENGINE OIL VOLATILITY BY GAS CHROMATOGRAPHY TEST
FORM 2
RESULT SUMMARY SHEET**

| | | | |
|--|--|---|-----------------------------|
| Test Lab: <i>CC</i> | | <u>Equipment</u> | |
| Test Method: ^A <i>CCCCCCCC</i> | | Manufacturer: | <i>CCCCCCCCCCCCCCCC</i> |
| Date Completed: <i>YYYYMMDD</i> | | Model: | <i>CCCCCCCCCCCCCCCC</i> |
| EOT Time: <i>HH:MM</i> | | Laboratory Oil Code: | <i>CCCCCCCCCCCCCCCCCCCC</i> |
| Instrument ID: <i>CCCCCCCCCCCCCCCCCCCC</i> | | Instrument Run No.: | <i>CCCCCCCCCC</i> |
| Oil Code: <i>CCCCCC</i> | | | |
| TMC Industry Oil Code: <i>CCCCCC</i> | Date of Last TMC Calibration: ^B <i>YYYYMMDD</i> | Date Calibration Expiration: ^B <i>YYYYMMDD</i> | |

Daily Calibration

Daily Check Sample ID: *CCCCCCCCCC* Calibration Date: *YYYYMMDD*
 Calibration Oil % Volatized @ 371°C (700°F): *S12.1* Calibration Time: *HH:MM*

Injector

Initial Injector Temperature °C: *S123.1*
 On-Column? (Y or N): *C*
 Temperature Programmed? (Y or N): *C*

Carrier Gas

Type (H, He, N): *CC*
 Flow Rate, ml/min: *S12.1*

Type of Column (Packed or Open): *CCCCCC*

Packed Column

Support Material: *CCCCCCCCCCCCCCCCCCCC*
 Stationary Phase Material: *CCCCCCCCCCCCCCCCCCCC*
 Percent Loading: *S12.12*
 Column Length, meters: *S12*
 Column Diameter, mm: *S1.12*
 Resolution: *S12.1*

Open Column

Stationary Phase Material: *CCCCCCCCCCCCCCCCCCCC*
 Film Thickness, µm: *S12.12*
 Column Length, meters: *S12*
 Column Diameter, mm: *S1.12*
 Resolution: *S12.1*

Temperature Program

Initial Temperature, °C: *S123.1*
 Initial Hold Time, min: *S12*
 Temperature Ramp, °C/min: *S12.1*
 Oven Track (Y or N): *C*
 Final Temperature, °C: *S123.1*
 Final Hold Time, min: *S12*

Sample Preparation (D5480 only)

Sample Weight, g: *S12.1234*
 Internal Standard Weight, g: *S12.1234*

Sample Injection

Volume, µl: *S1.1*
 Solvent: *CCCCCCCCCCCCCCCCCCCC*
 Sample Concentration, %: *S12.12*
 Autosampler? (Y or N): *C*

Detector

Detector Type: *CCCCCCCCCCCCCCCCCCCC*
 Temperature, °C: *S123.1*

Software

Commercial Product? (Y or N): *C*
 Name of Commercial Product: *CCCCCCCCCCCCCCCCCCCC*

Relative Response (n - C₁₀ = 1):

n - C₂₀: *S1.1234*
 n - C₃₀: *S1.1234*
 n - C₄₀: *S1.1234*

Sample % Volatized @ 371°C (700°F):
S12.1
 (Mass % for D5480)

^A D5480 or D6417

^B Report for non-reference oils only. Instrument calibration period is 90 days from the EOT date of the last successful instrument calibration using a TMC blind reference oil.

**TEST METHOD D5480
ENGINE OIL VOLATILITY BY GAS CHROMATOGRAPHY TEST
FORM 3
COMMENTS**

| | |
|---|------------------------------|
| Test Lab: <i>CC</i> | Test Method: <i>CCCCCCCC</i> |
| Test Number <i>CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC</i> | Oil Code: <i>CCCCCC</i> |

OUT-OF-LIMIT DATA AND TIME, TEST MODIFICATIONS AND COMMENTS

| Number of Comment Lines | <i>SI</i> | |
|---|-----------|--|
| <i>CC</i> | | |