

**ASTM Test Method D 5800  
Evaporation Loss Of Lubricating Oils  
By The Noack Method  
Test Report Cover**

**Version  
Procedure <sup>A</sup>  
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:</b> |

|                                |                        |
|--------------------------------|------------------------|
| <b>Date Completed:</b>         | <b>Time Completed:</b> |
| <b>Oil Code</b>                |                        |
| <b>Formulation/Stand Code:</b> |                        |
| <b>Alternate Codes:</b>        |                        |

|  |
|--|
| <p><b>In my opinion this test _____ been conducted in a valid manner in accordance with the D5800 ASTM Test Method and the appropriate amendments through the information letter system. The remarks included in this report describe the anomalies associated with this test.</b></p> |
|--|

A

- A = Woods Metal**
- B = Non-Woods Metal**
- C = Selby-Noack**
- D = Noack S2**

**Submitted By:** \_\_\_\_\_  
**Testing Laboratory**

\_\_\_\_\_  
**Signature**

\_\_\_\_\_  
**Typed Name**

\_\_\_\_\_  
**Title**

**ASTM Test Method D 5800  
Evaporation Loss Of Lubricating Oils  
By The Noack Method  
Form 2  
Summary of Results**

|                         |
|-------------------------|
| <b>Oil Code:</b>        |
| <b>Lab Sample Code:</b> |

|                        |                              |
|------------------------|------------------------------|
| <b>Testing Lab:</b>    | <b>TMC Reference Oil ID:</b> |
| <b>Date Completed:</b> | <b>Time Completed:</b>       |

|                                      |   |
|--------------------------------------|---|
| <b>Instrument ID:</b>                |   |
| <b>Test Run:</b>                     |   |
| <b>Date of Last TMC Calibration:</b> | <b>TMC Calibration Expiration Date:</b> |

**Test Method-Version**

**Procedure <sup>A</sup>**

| Equipment               |  |
|-------------------------|--|
| <b>Manufacturer</b>     |  |
| <b>Model</b>            |  |
| <b>Firmware Version</b> |  |

| Crucible/Reaction Vessel (RV)                     |  |
|---|--|
| <b>Crucible/RV Cup ID</b>                         |  |
| <b>Crucible/RV Lid ID</b>                         |  |
| <b>RV Orifice Size, mm<br/>(Procedure D Only)</b> |  |

| Operational Parameters               |  |
|--------------------------------------|--|
| <b>Test Length, minutes: seconds</b> |  |
| <b>Test Temperature, °C</b>          |  |
| <b>Differential Pressure, mm H2O</b> |  |

| Test Oil Results  |  |
|---|--|
| <b>Initial Sample Weight, g</b>   |  |
| <b>EOT Final Sample Weight, g</b>   |  |
| <b>EOT Sample Evaporation Loss, mass %</b>  |  |
| <b>Transformed EOT Sample Evaporation Loss<sup>B</sup></b>  |  |
| <b>LTMS Instrument Severity Adjustment (non-reference tests only)<sup>C</sup></b>                   |  |
| <b>Transformed Severity Adjusted Sample Evaporation Loss (non-reference tests only)<sup>C</sup></b> |  |
| <b>Final Severity Adjusted Sample Evaporation Loss Result, mass %</b>                               |  |

| Optional Translation Between Procedures A and B                      |  |
|--|--|
| <b>Translation to Procedure</b>                                      |  |
| <b>Translation Factor</b>  |  |
| <b>Translated Sample Evaporation Loss, Unadjusted, mass %</b>        |  |
| <b>Translated Sample Evaporation Loss, Severity Adjusted, mass %</b> |  |

<sup>B</sup> Natural Log transformation; see LTMS manual.

<sup>C</sup> Severity adjustments are only applicable to fully formulated engine oils.









**ASTM Test Method D 5800  
Evaporation Loss Of Lubricating Oils By The Noack Method  
Form 4A  
QC Data**

|                                      |   |
|--------------------------------------|---|
| <b>Oil Code:</b>                     |   |
| <b>Lab Sample Code:</b>              |   |
| <b>Testing Lab:</b>                  | <b>TMC Reference Oil ID:</b>            |
| <b>Date Completed:</b>               | <b>Time Completed:</b>                  |
| <b>Instrument ID:</b>                |   |
| <b>Test Run:</b>                     |   |
| <b>Date of Last TMC Calibration:</b> | <b>TMC Calibration Expiration Date:</b> |

**All Operationally Valid D5800 QC Daily Check Sample Results Past 30-Days (report for reference tests only)**

| QC<br>Sample<br>Test Key | QC<br>Date<br>Completed | QC<br>Daily Run<br>Order | QC<br>Operationally<br>Valid? | QC<br>Statistically<br>Valid? <sup>c</sup> | QC<br>Fluid<br>ID | Evaporation<br>Loss,<br>Mass % | Crucible<br>Cup<br>ID | Crucible<br>Lid<br>ID |
|--------------------------|-------------------------|--------------------------|-------------------------------|--|-------------------|--------------------------------|-----------------------|-----------------------|
|                          |                         |                          |                               |  |                   |                                |                       |                       |
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|                          |                         |                          |                               |  |                   |                                |                       |                       |

<sup>c</sup>Report 'Y' if QC result is in acceptance range, 'M' if mild of range or 'S' if severe of range.





