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

**Version** D5800 VERSION 20160919 Beta
**Procedure** [A] PRCDR
**Conducted For**
TSTSPON1
TSTSPON2

| | |
|---|---|
| LABVALID | **V = Valid** |
| | **I = Invalid** |

| | |
|---|---|
| TSTOIL | **NR = Non-Reference Test Oil** |
| | **RO = Reference Oil Result** |

| **Test Number** | |
|---|---|
| **Instrument ID:** INSTRUID | **Test Run:** RUNNUM |

| | | | |
|---|---|---|---|
| **Date Completed:** DTCOMP | | **Time Completed:** EOTTIME | |
| **Oil Code** OILCODE | | | |
| **Formulation/Stand Code:** | | | |
| **Alternate Codes:** | ALTCODE1 | ALTCODE2 | ALTCODE3 |

**In my opinion this test** OPVALID **has 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.**

**A**

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

**Submitted By:** SUBLAB
**Testing Laboratory**

SUBSIGIM
**Signature**

SUBNAME
**Typed Name**

SUBTITLE
**Title**

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

| | |
|---|---|
| **Oil Code:** OILCODE | |
| **Lab Sample Code:** LABOCODE | |

| | |
|---|---|
| **Testing Lab:** LAB | **TMC Reference Oil ID:** IND |
| **Date Completed:** DTCOMP | **Time Completed:** EOTTIME |

| | |
|---|---|
| **Instrument ID:** INSTRUID | |
| **Test Run:** RUNNUM | |
| **Date of Last TMC Calibration:** DTLSTCAL | **TMC Calibration Expiration Date:** DTCALEXP |

**Test Method-Version** METHVER

**Procedure** [A] PRCDR

| Equipment | |
|---|---|
| **Manufacturer** | MANUFACT |
| **Model** | MODEL |
| **Firmware Version** | FIRMWARE |

| Crucible | |
|---|---|
| **Crucible Cup ID** | CCUPID |
| **Crucible Lid ID** | CLIDID |

| Operational Parameters | |
|---|---|
| **Test Length, minutes: seconds** | TESTLEN |
| **Test Temperature, °C** | TSTTEMP |
| **Differential Pressure, mm H2O** | DIFPRES |

| Test Oil Results | |
|---|---|
| **Initial Sample Weight, g** | INISWGT |
| **Final Sample Weight, g** | SWGTFNL |
| **Sample Evaporation Loss, mass %** | SAMEVALS |
| **LTMS Instrument Severity Adjustment, mass % (non-reference tests only)**[B] | SAMEVSA |
| **Severity Adjusted Sample Evaporation Loss, Mass%**[B] | SAMEVFNL |

| Optional Translation Between Procedures A and B | |
|---|---|
| **Translation to Procedure** | TRPRCDR |
| **Translation Factor** | TRFACTOR |
| **Translated Sample Evaporation Loss, mass %** | TRSAMVAL |

[B] **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 3**
**Comments**

| | |
|---|---|
| **Oil Code:** OILCODE | |
| **Lab Sample Code:** LABOCODE | |

| | |
|---|---|
| **Testing Lab:** LAB | **TMC Reference Oil ID:** IND |
| **Date Completed:** DTCOMP | **Time Completed:** EOTTIME |

| | |
|---|---|
| **Instrument ID:** INSTRUID | |
| **Test Run:** RUNNUM | |
| **Date of Last TMC Calibration:** DTLSTCAL | **TMC Calibration Expiration Date:** DTCALEXP |

**Out-Of-Limit Data And Time, Test Modifications And Comments**

| **Number of Comment Lines** | TOTCOM |
|---|---|
| OCOMR001 | |
| OCOMR002 | |
| OCOMR003 | |
| OCOMR004 | |
| OCOMR005 | |
| OCOMR006 | |
| OCOMR007 | |
| OCOMR008 | |
| OCOMR009 | |
| OCOMR010 | |
| OCOMR011 | |
| OCOMR012 | |
| OCOMR013 | |
| OCOMR014 | |
| OCOMR015 | |

**ASTM Test Method D 5800**
**Evaporation Loss Of Lubricating Oils**
**By The Noack Method**
**Form 3A**
**Comments**

| | |
|---|---|
| **Oil Code:** OILCODE | |
| **Lab Sample Code:** LABOCODE | |

| | |
|---|---|
| **Testing Lab:** LAB | **TMC Reference Oil ID:** IND |
| **Date Completed:** DTCOMP | **Time Completed:** EOTTIME |

| | |
|---|---|
| **Instrument ID:** INSTRUID | |
| **Test Run:** RUNNUM | |
| **Date of Last TMC Calibration:** DTLSTCAL | **TMC Calibration Expiration Date:** DTCALEXP |

**Out-Of-Limit Data And Time, Test Modifications And Comments**

| **Number of Comment Lines** | TOTCOM | |
|---|---|---|
| OCOMR016 | | |
| OCOMR017 | | |
| OCOMR018 | | |
| OCOMR019 | | |
| OCOMR020 | | |
| OCOMR021 | | |
| OCOMR022 | | |
| OCOMR023 | | |
| OCOMR024 | | |
| OCOMR025 | | |
| OCOMR026 | | |
| OCOMR027 | | |
| OCOMR028 | | |
| OCOMR029 | | |
| OCOMR030 | | |

**ASTM Test Method D 5800**
**Evaporation Loss Of Lubricating Oils**
**By The Noack Method**
**Form 3B**
**Comments**

| | |
|---|---|
| **Oil Code:** OILCODE | |
| **Lab Sample Code:** LABOCODE | |

| | |
|---|---|
| **Testing Lab:** LAB | **TMC Reference Oil ID:** IND |
| **Date Completed:** DTCOMP | **Time Completed:** EOTTIME |

| | |
|---|---|
| **Instrument ID:** INSTRUID | |
| **Test Run:** RUNNUM | |
| **Date of Last TMC Calibration:** DTLSTCAL | **TMC Calibration Expiration Date:** DTCALEXP |

**Out-Of-Limit Data And Time, Test Modifications And Comments**

| **Number of Comment Lines** | TOTCOM |
|---|---|
| OCOMR031 | |
| OCOMR032 | |
| OCOMR033 | |
| OCOMR034 | |
| OCOMR035 | |
| OCOMR036 | |
| OCOMR037 | |
| OCOMR038 | |
| OCOMR039 | |
| OCOMR040 | |
| OCOMR041 | |
| OCOMR042 | |
| OCOMR043 | |
| OCOMR044 | |
| OCOMR045 | |

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

| | |
|---|---|
| **Oil Code:** OILCODE | |
| **Lab Sample Code:** LABOCODE | |
| **Testing Lab:** LAB | **TMC Reference Oil ID:** IND |
| **Date Completed:** DTCOMP | **Time Completed:** EOTTIME |
| **Instrument ID:** INSTRUID | |
| **Test Run:** RUNNUM | |
| **Date of Last TMC Calibration:** DTLSTCAL | **TMC Calibration Expiration Date:** DTCALEXP |

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

| QC Sample Test Key | QC Date Completed | QC Daily Run Order | QC Operationally Valid? | QC Statistically Valid?[C] | QC Fluid ID | Evaporation Loss, Mass % | Crucible Cup ID | Crucible Lid ID |
|---|---|---|---|---|---|---|---|---|
| QCTKR001 | QCDCR001 | QCROR001 | QCOVR001 | QCSVR001 | QCFIR001 | QCELR001 | QCCPR001 | QCLDR001 |
| QCTKR002 | QCDCR002 | QCROR002 | QCOVR002 | QCSVR002 | QCFIR002 | QCELR002 | QCCPR002 | QCLDR002 |
| QCTKR003 | QCDCR003 | QCROR003 | QCOVR003 | QCSVR003 | QCFIR003 | QCELR003 | QCCPR003 | QCLDR003 |
| QCTKR004 | QCDCR004 | QCROR004 | QCOVR004 | QCSVR004 | QCFIR004 | QCELR004 | QCCPR004 | QCLDR004 |
| QCTKR005 | QCDCR005 | QCROR005 | QCOVR005 | QCSVR005 | QCFIR005 | QCELR005 | QCCPR005 | QCLDR005 |
| QCTKR006 | QCDCR006 | QCROR006 | QCOVR006 | QCSVR006 | QCFIR006 | QCELR006 | QCCPR006 | QCLDR006 |
| QCTKR007 | QCDCR007 | QCROR007 | QCOVR007 | QCSVR007 | QCFIR007 | QCELR007 | QCCPR007 | QCLDR007 |
| QCTKR008 | QCDCR008 | QCROR008 | QCOVR008 | QCSVR008 | QCFIR008 | QCELR008 | QCCPR008 | QCLDR008 |
| QCTKR009 | QCDCR009 | QCROR009 | QCOVR009 | QCSVR009 | QCFIR009 | QCELR009 | QCCPR009 | QCLDR009 |
| QCTKR010 | QCDCR010 | QCROR010 | QCOVR010 | QCSVR010 | QCFIR010 | QCELR010 | QCCPR010 | QCLDR010 |
| QCTKR011 | QCDCR011 | QCROR011 | QCOVR011 | QCSVR011 | QCFIR011 | QCELR011 | QCCPR011 | QCLDR011 |
| QCTKR012 | QCDCR012 | QCROR012 | QCOVR012 | QCSVR012 | QCFIR012 | QCELR012 | QCCPR012 | QCLDR012 |
| QCTKR013 | QCDCR013 | QCROR013 | QCOVR013 | QCSVR013 | QCFIR013 | QCELR013 | QCCPR013 | QCLDR013 |
| QCTKR014 | QCDCR014 | QCROR014 | QCOVR014 | QCSVR014 | QCFIR014 | QCELR014 | QCCPR014 | QCLDR014 |
| QCTKR015 | QCDCR015 | QCROR015 | QCOVR015 | QCSVR015 | QCFIR015 | QCELR015 | QCCPR015 | QCLDR015 |
| QCTKR016 | QCDCR016 | QCROR016 | QCOVR016 | QCSVR016 | QCFIR016 | QCELR016 | QCCPR016 | QCLDR016 |
| QCTKR017 | QCDCR017 | QCROR017 | QCOVR017 | QCSVR017 | QCFIR017 | QCELR017 | QCCPR017 | QCLDR017 |
| QCTKR018 | QCDCR018 | QCROR018 | QCOVR018 | QCSVR018 | QCFIR018 | QCELR018 | QCCPR018 | QCLDR018 |
| QCTKR019 | QCDCR019 | QCROR019 | QCOVR019 | QCSVR019 | QCFIR019 | QCELR019 | QCCPR019 | QCLDR019 |
| QCTKR020 | QCDCR020 | QCROR020 | QCOVR020 | QCSVR020 | QCFIR020 | QCELR020 | QCCPR020 | QCLDR020 |

[C]Report ‘Y’ if QC result is in acceptance range, ‘M’ if mild of range or ‘S’ if severe of range.

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

| | |
|---|---|
| **Oil Code:** OILCODE | |
| **Lab Sample Code:** LABOCODE | |
| **Testing Lab:** LAB | **TMC Reference Oil ID:** IND |
| **Date Completed:** DTCOMP | **Time Completed:** EOTTIME |
| **Instrument ID:** INSTRUID | |
| **Test Run:** RUNNUM | |
| **Date of Last TMC Calibration:** DTLSTCAL | **TMC Calibration Expiration Date:** DTCALEXP |

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

| QC Sample Test Key | QC Date Completed | QC Daily Run Order | QC Operationally Valid? | QC Statistically Valid?[C] | QC Fluid ID | Evaporation Loss, Mass % | Crucible Cup ID | Crucible Lid ID |
|---|---|---|---|---|---|---|---|---|
| QCTKR021 | QCDCR021 | QCROR021 | QCOVR021 | QCSVR021 | QCFIR021 | QCELR021 | QCCPR021 | QCLDR021 |
| QCTKR022 | QCDCR022 | QCROR022 | QCOVR022 | QCSVR022 | QCFIR022 | QCELR022 | QCCPR022 | QCLDR022 |
| QCTKR023 | QCDCR023 | QCROR023 | QCOVR023 | QCSVR023 | QCFIR023 | QCELR023 | QCCPR023 | QCLDR023 |
| QCTKR024 | QCDCR024 | QCROR024 | QCOVR024 | QCSVR024 | QCFIR024 | QCELR024 | QCCPR024 | QCLDR024 |
| QCTKR025 | QCDCR025 | QCROR025 | QCOVR025 | QCSVR025 | QCFIR025 | QCELR025 | QCCPR025 | QCLDR025 |
| QCTKR026 | QCDCR026 | QCROR026 | QCOVR026 | QCSVR026 | QCFIR026 | QCELR026 | QCCPR026 | QCLDR026 |
| QCTKR027 | QCDCR027 | QCROR027 | QCOVR027 | QCSVR027 | QCFIR027 | QCELR027 | QCCPR027 | QCLDR027 |
| QCTKR028 | QCDCR028 | QCROR028 | QCOVR028 | QCSVR028 | QCFIR028 | QCELR028 | QCCPR028 | QCLDR028 |
| QCTKR029 | QCDCR029 | QCROR029 | QCOVR029 | QCSVR029 | QCFIR029 | QCELR029 | QCCPR029 | QCLDR029 |
| QCTKR030 | QCDCR030 | QCROR030 | QCOVR030 | QCSVR030 | QCFIR030 | QCELR030 | QCCPR030 | QCLDR030 |
| QCTKR031 | QCDCR031 | QCROR031 | QCOVR031 | QCSVR031 | QCFIR031 | QCELR031 | QCCPR031 | QCLDR031 |
| QCTKR032 | QCDCR032 | QCROR032 | QCOVR032 | QCSVR032 | QCFIR032 | QCELR032 | QCCPR032 | QCLDR032 |
| QCTKR033 | QCDCR033 | QCROR033 | QCOVR033 | QCSVR033 | QCFIR033 | QCELR033 | QCCPR033 | QCLDR033 |
| QCTKR034 | QCDCR034 | QCROR034 | QCOVR034 | QCSVR034 | QCFIR034 | QCELR034 | QCCPR034 | QCLDR034 |
| QCTKR035 | QCDCR035 | QCROR035 | QCOVR035 | QCSVR035 | QCFIR035 | QCELR035 | QCCPR035 | QCLDR035 |
| QCTKR036 | QCDCR036 | QCROR036 | QCOVR036 | QCSVR036 | QCFIR036 | QCELR036 | QCCPR036 | QCLDR036 |
| QCTKR037 | QCDCR037 | QCROR037 | QCOVR037 | QCSVR037 | QCFIR037 | QCELR037 | QCCPR037 | QCLDR037 |
| QCTKR038 | QCDCR038 | QCROR038 | QCOVR038 | QCSVR038 | QCFIR038 | QCELR038 | QCCPR038 | QCLDR038 |
| QCTKR039 | QCDCR039 | QCROR039 | QCOVR039 | QCSVR039 | QCFIR039 | QCELR039 | QCCPR039 | QCLDR039 |
| QCTKR040 | QCDCR040 | QCROR040 | QCOVR040 | QCSVR040 | QCFIR040 | QCELR040 | QCCPR040 | QCLDR040 |

[C]Report ‘Y’ if QC result is in acceptance range, ‘M’ if mild of range or ‘S’ if severe of range.

**ASTM Test Method D 5800**
**Evaporation Loss Of Lubricating Oils By The Noack Method**
**Form 5**
**QC Comments**

| | |
|---|---|
| **Oil Code:** OILCODE | |
| **Lab Sample Code:** LABOCODE | |
| **Testing Lab:** LAB | **TMC Reference Oil ID:** IND |
| **Date Completed:** DTCOMP | **Time Completed:** EOTTIME |
| **Instrument ID:** INSTRUID | |
| **Test Run:** RUNNUM | |
| **Date of Last TMC Calibration:** DTLSTCAL | **TMC Calibration Expiration Date:** DTCALEXP |

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

| QC Sample Test Key | Date Completed | Daily Run Order | Comments |
|---|---|---|---|
| QCTKR001 | QCDCR001 | QCROR001 | QCCOR001 |
| QCTKR002 | QCDCR002 | QCROR002 | QCCOR002 |
| QCTKR003 | QCDCR003 | QCROR003 | QCCOR003 |
| QCTKR004 | QCDCR004 | QCROR004 | QCCOR004 |
| QCTKR005 | QCDCR005 | QCROR005 | QCCOR005 |
| QCTKR006 | QCDCR006 | QCROR006 | QCCOR006 |
| QCTKR007 | QCDCR007 | QCROR007 | QCCOR007 |
| QCTKR008 | QCDCR008 | QCROR008 | QCCOR008 |
| QCTKR009 | QCDCR009 | QCROR009 | QCCOR009 |
| QCTKR010 | QCDCR010 | QCROR010 | QCCOR010 |
| QCTKR011 | QCDCR011 | QCROR011 | QCCOR011 |
| QCTKR012 | QCDCR012 | QCROR012 | QCCOR012 |
| QCTKR013 | QCDCR013 | QCROR013 | QCCOR013 |
| QCTKR014 | QCDCR014 | QCROR014 | QCCOR014 |
| QCTKR015 | QCDCR015 | QCROR015 | QCCOR015 |
| QCTKR016 | QCDCR016 | QCROR016 | QCCOR016 |
| QCTKR017 | QCDCR017 | QCROR017 | QCCOR017 |
| QCTKR018 | QCDCR018 | QCROR018 | QCCOR018 |
| QCTKR019 | QCDCR019 | QCROR019 | QCCOR019 |
| QCTKR020 | QCDCR020 | QCROR020 | QCCOR020 |

**ASTM Test Method D 5800**
**Evaporation Loss Of Lubricating Oils By The Noack Method**
**Form 5A**
**QC Comments**

| | |
|---|---|
| **Oil Code:** OILCODE | |
| **Lab Sample Code:** LABOCODE | |
| **Testing Lab:** LAB | **TMC Reference Oil ID:** IND |
| **Date Completed:** DTCOMP | **Time Completed:** EOTTIME |
| **Instrument ID:** INSTRUID | |
| **Test Run:** RUNNUM | |
| **Date of Last TMC Calibration:** DTLSTCAL | **TMC Calibration Expiration Date:** DTCALEXP |

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

| QC Sample Test Key | Date Completed | Daily Run Order | Comments |
|---|---|---|---|
| QCTKR021 | QCDCR021 | QCROR021 | QCCOR021 |
| QCTKR022 | QCDCR022 | QCROR022 | QCCOR022 |
| QCTKR023 | QCDCR023 | QCROR023 | QCCOR023 |
| QCTKR024 | QCDCR024 | QCROR024 | QCCOR024 |
| QCTKR025 | QCDCR025 | QCROR025 | QCCOR025 |
| QCTKR026 | QCDCR026 | QCROR026 | QCCOR026 |
| QCTKR027 | QCDCR027 | QCROR027 | QCCOR027 |
| QCTKR028 | QCDCR028 | QCROR028 | QCCOR028 |
| QCTKR029 | QCDCR029 | QCROR029 | QCCOR029 |
| QCTKR030 | QCDCR030 | QCROR030 | QCCOR030 |
| QCTKR031 | QCDCR031 | QCROR031 | QCCOR031 |
| QCTKR032 | QCDCR032 | QCROR032 | QCCOR032 |
| QCTKR033 | QCDCR033 | QCROR033 | QCCOR033 |
| QCTKR034 | QCDCR034 | QCROR034 | QCCOR034 |
| QCTKR035 | QCDCR035 | QCROR035 | QCCOR035 |
| QCTKR036 | QCDCR036 | QCROR036 | QCCOR036 |
| QCTKR037 | QCDCR037 | QCROR037 | QCCOR037 |
| QCTKR038 | QCDCR038 | QCROR038 | QCCOR038 |
| QCTKR039 | QCDCR039 | QCROR039 | QCCOR039 |
| QCTKR040 | QCDCR040 | QCROR040 | QCCOR040 |