

**DEXRON® Aeration Test  
Report Form  
Form 1  
Version**

| Formulation Code |             |              |       |       |        |     |            |
|------------------|-------------|--------------|-------|-------|--------|-----|------------|
| Formulation Code |             |              |       |       |        |     |            |
| SPONID           | SponsorCode | Modification | Blend | Count | Method | Lab | Instrument |
|                  |             |              |       |       |        |     |            |

| Blended Sample Testing Information <sup>A</sup> |  |  |                  |
|---|--|--|------------------|
| Candidate Percentage                            |  |  | Other Percentage |
| Other Fluid ID                                  |  |  |                  |

<sup>A</sup> If not a Blended Sample then report 100% Candidate Percentage, 0% Other Percentage, and "None" for Blend Fluid ID.

| Test Identification      |  |            |  |
|--------------------------|--|------------|--|
| Sponsor                  |  |            |  |
| Sponsor In-House Number  |  |            |  |
| Lab In-House Number      |  |            |  |
| Alternate Code           |  |            |  |
| Test Number <sup>B</sup> |  |            |  |
| Instrument               |  | Run Number |  |
| Start Date               |  | Start Time |  |
| EOT Date                 |  | EOT Time   |  |

<sup>B</sup> Test Number = Instrument – Run Number

| Test Validity Statement                                    |  |
|--|--|
| This test has been conducted in a valid manner – YES or NO |  |
|  |  |
| Test Laboratory  |  |
| Signature  |  |
| Typed Name   |  |
| Title  |  |

**DEXRON® Aeration Test  
Pass/Fail Results  
Form 2**

|                  |  |
|------------------|--|
| Formulation Code |  |
| Test Number      |  |

| <b>PASS/FAIL RESULTS</b>         |                   |                  |
|----------------------------------|-------------------|------------------|
| <b>PARAMETERS</b>                | <b>TEST FLUID</b> | <b>REFERENCE</b> |
| Average Aeration Percent @ 60°C  |                   |                  |
| Average Aeration Percent @ 90°C  |                   |                  |
| Average Aeration Percent @ 120°C |                   |                  |
| Average Deaeration Time @ 60°C   |                   |                  |
| Average Deaeration Time @ 90°C   |                   |                  |
| Average Deaeration Time @ 120°C  |                   |                  |

| <b>Test Operating Conditions</b> |  |
|----------------------------------|--|
| Aeration Phase Time @ 120°C      |  |
| Deaeration Phase Time @ 120°C    |  |
| Aeration Phase Time @ 90°C       |  |
| Deaeration Phase Time @ 90°C     |  |
| Aeration Phase Time @ 60°C       |  |
| Deaeration Phase Time @ 60°C     |  |

| <b>Reference Test Identification</b> |  |            |  |
|--------------------------------------|--|------------|--|
| Sample ID                            |  |            |  |
| Blend Date                           |  |            |  |
| Test Number <sup>A</sup>             |  |            |  |
| Instrument                           |  | Run Number |  |
| Start Date                           |  | Start Time |  |
| EOT Date                             |  | EOT Time   |  |

<sup>A</sup>Test Number = Instrument – Run Number

| <b>Comments</b> |
|-----------------|
|                 |
|                 |
|                 |
|                 |
|                 |

**DEXRON® Aeration Test  
Test Results  
Form 3**

|                  |  |
|------------------|--|
| Formulation Code |  |
| Test Number      |  |

|                           |            |   |           |                                   |           |                              |           |                                     |           |
|---------------------------|------------|---|-----------|-----------------------------------|-----------|------------------------------|-----------|-------------------------------------|-----------|
| <b>60°C and 1380 kPa</b>  | Run Number | Density Change ( $\Delta\rho$ )<br>[g/cm <sup>3</sup> ] |           | Time to Aeration ( $t_a$ )<br>[s] |           | Percent Aeration (%A)<br>[%] |           | Time to Deaeration ( $t_d$ )<br>[s] |           |
|                           |            | Test Fluid  | Reference | Test Fluid                        | Reference | Test Fluid                   | Reference | Test Fluid                          | Reference |
|                           | New 1      |   |           |                                   |           |                              |           |                                     |           |
|                           | New 2      |   |           |                                   |           |                              |           |                                     |           |
|                           | New 3      |   |           |                                   |           |                              |           |                                     |           |
|                           | Mean       |   |           |                                   |           |                              |           |                                     |           |
|                           | Std Dev    |   |           |                                   |           |                              |           |                                     |           |
|                           | Used       |   |           |                                   |           |                              |           |                                     |           |
| <b>90°C and 1380 kPa</b>  | Run Number | Density Change ( $\Delta\rho$ )<br>[g/cm <sup>3</sup> ] |           | Time to Aeration ( $t_a$ )<br>[s] |           | Percent Aeration (%A)<br>[%] |           | Time to Deaeration ( $t_d$ )<br>[s] |           |
|                           |            | Test Fluid  | Reference | Test Fluid                        | Reference | Test Fluid                   | Reference | Test Fluid                          | Reference |
|                           | New 1      |   |           |                                   |           |                              |           |                                     |           |
|                           | New 2      |   |           |                                   |           |                              |           |                                     |           |
|                           | New 3      |   |           |                                   |           |                              |           |                                     |           |
|                           | Mean       |   |           |                                   |           |                              |           |                                     |           |
|                           | Std Dev    |   |           |                                   |           |                              |           |                                     |           |
|                           | Used       |   |           |                                   |           |                              |           |                                     |           |
| <b>120°C and 1380 kPa</b> | Run Number | Density Change ( $\Delta\rho$ )<br>[g/cm <sup>3</sup> ] |           | Time to Aeration ( $t_a$ )<br>[s] |           | Percent Aeration (%A)<br>[%] |           | Time to Deaeration ( $t_d$ )<br>[s] |           |
|                           |            | Test Fluid  | Reference | Test Fluid                        | Reference | Test Fluid                   | Reference | Test Fluid                          | Reference |
|                           | New 1      |   |           |                                   |           |                              |           |                                     |           |
|                           | New 2      |   |           |                                   |           |                              |           |                                     |           |
|                           | New 3      |   |           |                                   |           |                              |           |                                     |           |
|                           | Mean       |   |           |                                   |           |                              |           |                                     |           |
|                           | Std Dev    |   |           |                                   |           |                              |           |                                     |           |
|                           | Used       |   |           |                                   |           |                              |           |                                     |           |

Aeration Point: 2<sup>nd</sup> Consecutive 25-point slope of Density Change =  $0 \pm 0.005$   
 Deaeration Point: 2<sup>nd</sup> Consecutive 25-point slope of Density Change =  $0 \pm 0.005$

**DEXRON® Aeration Test**  
**Measured Density vs. Temperature Plot**  
**Form 4**

|                  |  |
|------------------|--|
| Formulation Code |  |
| Test Number      |  |

**DEXRON® Aeration Test**  
**Calculated Density vs. Temperature Plot**  
**Form 5**

|                  |  |
|------------------|--|
| Formulation Code |  |
| Test Number      |  |

**DEXRON® Aeration Test**  
**Aeration Density Change Plot. 60°C**  
**Form 6**

|                  |  |
|------------------|--|
| Formulation Code |  |
| Test Number      |  |

**DEXRON® Aeration Test**  
**Aeration Density Change Plot. 90°C**  
**Form 7**

|                  |  |
|------------------|--|
| Formulation Code |  |
| Test Number      |  |

**DEXRON® Aeration Test**  
**Aeration Density Change Plot. 120°C**  
**Form 8**

|                  |  |
|------------------|--|
| Formulation Code |  |
| Test Number      |  |