

**DEXRON® Aluminum Beaker Oxidation Test
Report Form
Form 1
Version**

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

| Blended Sample Testing Information ^A | | | |
|---|--|--|------------------|
| Candidate Percentage | | | Other Percentage |
| Other Fluid ID | | | |

^A 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 ^B | | | |
| Instrument | | Run Number | |
| Start Date | | Start Time | |
| EOT Date | | EOT Time | |

^B 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® Aluminum Beaker Oxidation Test
Pass/Fail Results
Form 2**

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

| PASS/FAIL RESULTS | | |
|---------------------------------------|--------------|----------------|
| PARAMETERS | UNITS | RESULTS |
| Pentane Insolubles Weight % | % | |
| Lead Coupon @ 100 hrs, % wt. change** | % | |
| EOT Al Strip Varnish (CRC Manual 14) | - | |
| EOT Sludge | - | |

**% Change: Negative value = weight loss. Positive value = weight gain

| Test Operating Conditions | |
|----------------------------------|--|
| Test Temperature, °C | |
| Air Flow Rate, mL/min | |

| Comments |
|-----------------|
| |
| |
| |
| |
| |

DEXRON® Aluminum Beaker Oxidation Test
Chemical Analysis Data
Form 3

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

| Date | Test Hours | Pentane Insolubles Weight % | Acid Number (D664 – 1g) Mg KOH/g | | Acid Change | | Infrared Differential ABS/cm | Viscosity (D445) @ 40°C cst | Viscosity Change % |
|------|------------|-----------------------------|----------------------------------|--------|-------------|--------|------------------------------|-----------------------------|--------------------|
| | | | Inflection | Buffer | Inflection | Buffer | | | |
| | 0 | | | | | | | | |
| | 50 | | | | | | | | |
| | 100 | | | | | | | | |
| | 150 | | | | | | | | |
| | 200 | | | | | | | | |
| | 250 | | | | | | | | |
| | 300 | | | | | | | | |

| Additional 0 hour Chemical Analysis | |
|--|--|
| Viscosity (D445) @ 100°C, cSt | |
| Acid Number (D664), mg KOH/g-Inflection* | |
| Acid Number (D664), mg KOH/g-Buffer* | |
| Chlorine Content (D6443), ppm | |
| Nitrogen Content (D4629), ppm | |
| Sulfur Content (D5185), wt. % | |

* D664 conducted on 5 gram sample

| Additional Data | Results |
|--|---------|
| EOT Viscosity (D2983) @ -40°C, Cp | |
| Copper Strip Corrosion (D130) @ 50 hrs. | |
| Copper Strip Corrosion (D130) @ EOT | |
| Initial Weight of Beaker, g (Wbi) | |
| Initial Weight of Oil, g (Wi) | |
| Total Aliquot Sample Weight, g (Wm) | |
| Beaker and Oil Weight, g (Wbf) @ EOT | |
| Calculated Percent Weight Loss (Wi+Wbi-Wa-Wbf)x100 | |

DEXRON® Aluminum Beaker Oxidation Test
ICP Data
Form 4

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

| ICP Elemental Analysis (D5185), ppm | | | |
|--|---------|----------|-----|
| Element | New Oil | 100 hour | EOT |
| Aluminum (Al) | | | |
| Antimony (Sb) | | | |
| Barium (Ba) | | | |
| Boron (B) | | | |
| Cadmium (Cd) | | | |
| Calcium (Ca) | | | |
| Chromium (Cr) | | | |
| Copper (Cu) | | | |
| Iron (Fe) | | | |
| Lead (Pb) | | | |
| Magnesium (Mg) | | | |
| Manganese (Mn) | | | |
| Molybdenum (Mb) | | | |
| Nickel (Ni) | | | |
| Phosphorus (P) | | | |
| Potassium (K) | | | |
| Silicon (Si) | | | |
| Silver (Ag) | | | |
| Sodium (Na) | | | |
| Tin (Sn) | | | |
| Titanium (Ti) | | | |
| Vanadium (V) | | | |
| Zinc (Zn) | | | |

DEXRON® Aluminum Beaker Oxidation Test
FTIR Plot
Form 5

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