

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

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

Test Identification			
Sponsor			
Sponsor In-House Number			
Lab In-House Number			
Alternate Code			
Test Number ^A			
Instrument		Run Number	
Start Date		Start Time	
EOT Date		EOT Time	

^ATest 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	