DEXRON® Aeration Test
Report Form
Form 1
Version
AER VERSION 20210628 Beta

Formulation Code							
Formulation Code	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC						
SID	SponsorCode	Modification	Blend	Method	Count	Lab	Instrument
CCC	CCCCCCCCCC	CC	S12	CCCCCCCC	S12	CC	CCCCC

Blended Sample Testing Information[A]			
Candidate Percentage	S123	Other Percentage	S123
Other Fluid ID	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC		

[A] If not a Blended Sample then report 100% Candidate Percentage, 0% Other Percentage, and "None" for Blend Fluid ID.

Test Identification			
Sponsor	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC		
Sponsor In-House Number	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC		
Lab In-House Number	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC		
Alternate Code	CCCCCCCCCCCCCCC		
Test Number [B]	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC		
Instrument	CCCCC	Run Number	CCCCCCCC
Start Date	YYYYMMDD	Start Time	HH:MM
EOT Date	YYYYMMDD	EOT Time	HH:MM

[B] Test Number = Instrument – Run Number

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

DEXRON® Aeration Test
Pass/Fail Results
Form 2

Formulation Code	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
Test Number	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

PASS/FAIL RESULTS		
PARAMETERS	**TEST FLUID**	**REFERENCE**
Average Aeration Percent @ 60°C	S12.1	S12.1
Average Aeration Percent @ 90°C	S12.1	S12.1
Average Aeration Percent @ 120°C	S12.1	S12.1
Average Deaeration Time @ 60°C	S123.1	S123.1
Average Deaeration Time @ 90°C	S123.1	S123.1
Average Deaeration Time @ 120°C	S123.1	S123.1

Test Operating Conditions	
Aeration Phase Time @ 120°C	S12
Deaeration Phase Time @ 120°C	S12
Aeration Phase Time @ 90°C	S12
Deaeration Phase Time @ 90°C	S12
Aeration Phase Time @ 60°C	S12
Deaeration Phase Time @ 60°C	S12

Fluid Condition[A]	CCCC
[A] Fluid Condition Values	Description
NEW	New Fluid Only
ACYC	New Fluid & After Cycling Test

Reference Test Identification			
Sample ID	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC		
Blend Date	YYYYMMDD		
Test Number [B]	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC		
Instrument	CCCCC	Run Number	CCCCCCCC
Start Date	YYYYMMDD	Start Time	HH:MM
EOT Date	YYYYMMDD	EOT Time	HH:MM

[B] Test Number = Instrument – Run Number

Comments
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DEXRON® Aeration Test
Test Results
Form 3

Formulation Code	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
Test Number	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

	Run Number	Density Change (Δρ) [g/cm³]		Time to Aeration (t_a) [s]		Percent Aeration (%A) [%]		Time to Deaeration (t_d) [s]	
		Test Fluid	Reference	Test Fluid	Reference	Test Fluid	Reference	Test Fluid	Reference
60°C and 1380 kPa	New 1	S123.1234	S123.1234	S123.1	S123.1	S12.1	S12.1	S123.1	S123.1
	New 2	S123.1234	S123.1234	S123.1	S123.1	S12.1	S12.1	S123.1	S123.1
	New 3	S123.1234	S123.1234	S123.1	S123.1	S12.1	S12.1	S123.1	S123.1
	Mean	S123.1234	S123.1234	S123.1	S123.1	S12.1	S12.1	S123.1	S123.1
	Std Dev	S123.12345	S123.12345	S12.12	S12.12	S12.1	S12.1	S12.12	S12.12
	Used	S123.1234		S123.1		S12.1		S123.1	
90°C and 1380 kPa	Run Number	Density Change (Δρ) [g/cm³]		Time to Aeration (t_a) [s]		Percent Aeration (%A) [%]		Time to Deaeration (t_d) [s]	
		Test Fluid	Reference	Test Fluid	Reference	Test Fluid	Reference	Test Fluid	Reference
	New 1	S123.1234	S123.1234	S123.1	S123.1	S12.1	S12.1	S123.1	S123.1
	New 2	S123.1234	S123.1234	S123.1	S123.1	S12.1	S12.1	S123.1	S123.1
	New 3	S123.1234	S123.1234	S123.1	S123.1	S12.1	S12.1	S123.1	S123.1
	Mean	S123.1234	S123.1234	S123.1	S123.1	S12.1	S12.1	S123.1	S123.1
	Std Dev	S123.12345	S123.12345	S12.12	S12.12	S12.1	S12.1	S12.12	S12.12
	Used	S123.1234		S123.1		S12.1		S123.1	
120°C and 1380 kPa	Run Number	Density Change (Δρ) [g/cm³]		Time to Aeration (t_a) [s]		Percent Aeration (%A) [%]		Time to Deaeration (t_d) [s]	
		Test Fluid	Reference	Test Fluid	Reference	Test Fluid	Reference	Test Fluid	Reference
	New 1	S123.1234	S123.1234	S123.1	S123.1	S12.1	S12.1	S123.1	S123.1
	New 2	S123.1234	S123.1234	S123.1	S123.1	S12.1	S12.1	S123.1	S123.1
	New 3	S123.1234	S123.1234	S123.1	S123.1	S12.1	S12.1	S123.1	S123.1
	Mean	S123.1234	S123.1234	S123.1	S123.1	S12.1	S12.1	S123.1	S123.1
	Std Dev	S123.12345	S123.12345	S12.12	S12.12	S12.1	S12.1	S12.12	S12.12
	Used	S123.1234		S123.1		S12.1		S123.1	

Aeration Point: 2nd Consecutive 25-point slope of Density Change = 0 ± 0.005
Deaeration Point: 2nd Consecutive 25-point slope of Density Change = 0 ± 0.005

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

Formulation Code	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
Test Number	CCCCCCCCCCCCCCCCCCCCCCCCCCCC

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

Formulation Code	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
Test Number	CCCCCCCCCCCCCCCCCCCCCCCCCCCCC

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

Formulation Code	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
Test Number	CCCCCCCCCCCCCCCCCCCCCCCCCCCC

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

Formulation Code	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
Test Number	CCCCCCCCCCCCCCCCCCCCCCCCCCCC

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

Formulation Code	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
Test Number	CCCCCCCCCCCCCCCCCCCCCCCCCCCCC

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