Test Method D XXXX for Measurement of the Effects of Automotive Engine Oils on the Fuel Economy of Passenger Cars and Light Trucks in the Sequence VID Spark Ignition Engine Report Cover Sheet

Version:

Conducted For:

V = Valid
I = Invalid
N = Results cannot be interpreted (refer to comment section)

NR = Non-reference Oil Test
RO = Reference Oil Test

Lab:		Date Completed:		Time Completed:	
		Tes	t Number		
Test Stand:	Run	s On The Stand:	Engine N	0.	Runs on Engine:
Oil Code:					
Formulation/Stand	Code				
Alternate Codes					

In my opinion this test been conducted in a valid manner in accordance with the Test Method D 6837 and the appropriate amendments through the Information Letter System. The remarks included in the report describe the anomalies associated with this test.

Submitted By:

Testing Laboratory

Signature

Typed Name

Title

Form 2

Sequence VID

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^A ACC Conformance Statement is required only for ACC registered tests

Sequence VID Form 3

Summary of Test Method

The Sequence VID is an engine dynamometer test that measures a lubricant's ability to improve the fuel economy of passenger cars and light-duty trucks. The method compares the performance of a test lubricant to the performance of a baseline lubricant over six different stages of operation.

A 2008 Cadillac SRX 3.6L High Feature (HF) V6, 4-cycle engine is used as the test apparatus. The engine incorporates Dual Overhead Camshafts, 4 Valves / Cylinder, Dual Stage Plenum Induction Manifold, 94x85.6mm Bore & Stroke, with 10.2:1 compression ratio.

The Sequence VID test incorporates a flush and run type procedure. Each test consists of two 6-stage fuel economy measurements on baseline oil (BL), one at the beginning of the test and one at the end. The test oil is evaluated in between the two baseline runs. The test oil is initially aged during 16 hours of engine operation at 2250 r/min and 120°C oil temperature. After the initial aging, a 6-stage fuel economy measurement is taken. The test oil is then aged an additional 84 hours at an engine speed of 2250 r/min and 120°C oil temperature. Following this final aging, the test oil once again goes through a 6-stage fuel economy measurement. The two fuel economy measurements taken on the baseline oil (BL) and a final value for Fuel Economy Improvement is calculated for the test oil.

Fuel Economy Measurement and Aging Condition							
FE Stage	ge Speed (r/min) Torque (N-m) Oil Temp. (°C) Coolant Temp.						
1	2000	105	115	109			
2	2000	105	65	65			
3	1500	105	115	109			
4	695	20	115	109			
5	695	20	35	35			
6	695	40	115	109			

Below is a summary of the operation conditions for the aging and 6-stage fuel economy portions of the test.

Aging Stage	Speed (r/min)	Torque (N-m)	Oil Temp. (°C)	Coolant Temp. (°C)
1 & 2	2250	110	120	110

Sequence VID Form 4 Test Result Summary Non-Reference & Reference Oil Tests

Lab:	Date Complete	ed: Tin	ne Completed:
		Test Number	
Test Stand:	Runs On The Stand:	Engine No.	Runs on Engine:
Oil Code:		Engine Ser	rial Number:
Formulation/St	and Code [.]		

Test Documentation							
	BL Before 1	BL Before 2	Test Oil	BL After			
Start Date							
Start Time							
End Date							
End Time							
Oil Test Length, hhh:mm							
Calibration Oil Batch							
Flush Oil Batch							
Laboratory Oil Code							
SAE Viscosity Grade							
TMC Oil Code (Reference Oil							
Tests Only)							
New Oil Viscosity @ 40 °C,							
cSt							
New Oil Viscosity @ 100°C,							
cSt							
Aged (84 h) Oil Viscosity @ 40							
°C, cSt							
Aged (84 h) Oil Viscosity @							
100°C, cSt							
Total Test Length, hhh:mm							
Total Engine Hours @ EOT							
Most Recent Fuel Batch							

Overall Results						
	BL	Oil		Test Oil		
	Before 1 Before 2 After				Phase II	
Fuel Consumed, kg						
Shift Delta, %						
Fuel Economy Impro	ovement, %					
FEI Industry Correction Factor, %						
FEI Severity Adjustment, % (non-reference tests only)						
FEI Final Result, %						
Total Oil Consumpti	on, mL					

Sequence VID Form 5 Operational Data Analysis

Lab:	Date Completed:		Time Completed:	
	Т	est Number		
Test Stand:	Runs On The Stand:	Engine No.	. Runs on Engine:	
Oil Code:				
Formulation/Stand	d Code:			

	Computed Averages						
Oil	Stage	BSFC kg/kW-h	BSFC C.V., %	Nominal Power kW	Weight Factor	Weighted Fuel Consumed kg	
BL	1			21.99	0.300		
Before	2			21.99	0.032		
Test	3			16.49	0.310		
Oil	4			1.46	0.174		
	5			1.46	0.011		
	6			2.91	0.172		
Total Fu	el Consu	med					

	Computed Averages						
Oil	Stage	BSFC kg/kW-h	BSFC C.V., %	Nominal Power kW	Weight Factor	Weighted Fuel Consumed kg	
BL	1			21.99	0.300		
Before	2			21.99	0.032		
Test	3			16.49	0.310		
Oil	4			1.46	0.174		
2	5			1.46	0.011		
	6			2.91	0.172		
Total Fu	el Consu						

Sequence VID Form 6 Operational Date Analysis

		e 1 m m y s i s	
Lab:	Date Completed:	Time Completed:	
	Test I	Number	
Test Stand:	Runs On The Stand:	Engine No	b. Runs on Engine:
Oil Code:			
Formulation/Stand	d Code:		

	Computed Averages							
Oil	Stage	BSFC kg/kW-h	BSFC C.V., %	Nominal Power kW	Weight Factor	Weighted Fuel Consumed kg		
	1			21.99	0.300			
Test	2			21.99	0.032			
Oil	3			16.49	0.310			
Phase I	4			1.46	0.174			
	5			1.46	0.011			
	6			2.91	0.172			
Total Fu	el Consu							

	Computed Averages						
Oil	Stage	BSFC kg/kW-h	BSFC C.V., %	Nominal Power kW	Weight Factor	Weighted Fuel Consumed kg	
	1			21.99	0.300		
Test	2			21.99	0.032		
Oil	3			16.49	0.310		
Phase	4			1.46	0.174		
11	5			1.46	0.011		
	6			2.91	0.172		
Total Fu	el Consu						

Sequence VID Form 7 Operational Date Analysis

Lab:	Lab: Date Completed:			Time Completed:		
	Test	Number				
Test Stand:	Runs On The Stand:	Engine No).	Runs on Engine:		
Oil Code:						
Formulation/Stand	d Code:					

	Computed Averages						
Oil	Stage	BSFC kg/kW-h	BSFC C.V., %	Nominal Power kW	Weight Factor	Weighted Fuel Consumed kg	
	1			21.99	0.300		
BL	2			21.99	0.032		
After	3			16.49	0.310		
Test	4			1.46	0.174		
Oil	5			1.46	0.011		
	6			2.91	0.172		
Total Fu	el Consu	med					

Sequence VID Form 8 General Parameter Listing

Lab:	Date Completed:		Time Completed:	
	Те	st Number		
Test Stand:	Runs On The Stand:	Engine No	. Ru	ins on Engine:
Oil Code:				
Formulation/Stan	d Code:			

16 Hour Aging

	Spec	Average ^A	Max ^A	Min ^A
1. Speed, r/min	2250 ±5			
2. Torque, N-m	110 ± 0.10			
3. Oil Gallery Temperature, °C	120 ±2			
4. Coolant Inlet Temperature, °C	110 ±2			
5. Oil Circulation Temperature, °C	Record			
6. Coolant Out Temperature, °C	Record			
7. Intake Air Temperature, °C	29 ±2			
8. Fuel to Flowmeter Temperature, °C	20-32			
9. Fuel to Fuel Rail Temperature, °C	22 ±2			
10. Load Cell Temperature, °C	Record			
11. Oil Heater Temperature, °C	205 max			
12. Intake Air Pressure, kPa	0.05 ± 0.02			
13. Fuel to Flowmeter Pressure, kPa	110±10			
14. Fuel to Fuel Rail Pressure, kPa	405±10			
15. Intake Manifold Pressure, kPa abs.	Record			
16. Exhaust Back Pressure, kPa abs.	105 ± 0.20			
17. Engine Oil Pressure, kPa	Record			
18. Coolant Flow, L/min	80 ±4			
19. Fuel Flow, kg/h	Record			
20. Intake Air Humidity, grains/kg	11.4±0.8			
21. Air/Fuel Ratio	Record			
22. Crankcase Pressure, kPa	0.00 ± 0.25			

^A Based on a minimum of one determination per hour

Sequence VID Form 9 General Parameter Listing

Lab:	Date Completed:		Time Completed:
	Test	Number	
Test Stand:	Runs On The Stand:	Engine No	Runs on Engine:
Oil Code:			
Formulation/Stand	d Code:		

84 Hour Aging

	Spec	Average ^A	Max ^A	Min ^A
1. Speed, r/min	2250 ± 5			
2. Torque, N-m	110 ±0.10			
3. Oil Gallery Temperature, °C	120±2			
4. Coolant Inlet Temperature, °C	110 ±2			
5. Oil Circulation Temperature, °C	Record			
6. Coolant Out Temperature, °C	Record			
7. Intake Air Temperature, °C	29 ±2			
8. Fuel to Flowmeter Temperature, "C	20-32			
9. Fuel to Fuel Rail Temperature, °C	22 ±2			
10. Load Cell Temperature, °C	Record			
11. Oil Heater Temperature, °C	205 max			
12. Intake Air Pressure, kPa	$0.05\pm\!0.02$			
13. Fuel to Flowmeter Pressure, kPa	110±10			
14. Fuel to Fuel Rail Pressure, kPa	405±10			
15. Intake Manifold Pressure, kPa abs.	Record			
16. Exhaust Back Pressure, kPa abs.	105 ± 0.20			
17. Engine Oil Pressure, kPa	Record			
18. Coolant Flow, L/min	80±4			
19. Fuel Flow, kg/h	Record			
20. Intake Air Humidity, grains/kg	11.4 ±0.8			
21. Air/Fuel Ratio	Record			
22. Crankcase Pressure, kPa	0.00 ± 0.25			

^A Based on a minimum of one determination per hour

Sequence VID Form 10 General Parameter Summary

Lab:	Date Comple	Date Completed:		eted:		
		Test Number				
Test Stand:	Runs On The Stand:	Engine No.		Runs on Engine:		
Oil Code:						
Formulation/Stand Code:						

BL Before Test Oil 1

General Parameters

		Stage Average					
	Spec	1	2	3	4	5	6
1. Oil Circulation Temperature, °C	Record						
2. Coolant Out Temperature, °C	Record						
3. Fuel to Flowmeter Temperature, °C	20-32						
4. Delta Fuel to Flowmeter Temp., °C ^A	<u><</u> 4						
5. Test Cell Temperature, °C	Record						
6. Load Cell Temperature, °C	Record						
7. Delta Load Cell Temperature, °C ^A	< 12						
8. Oil Heater Temperature, °C	205 max						
9. Intake Air Pressure, kPa	$0.05 \pm .02$						
10. Fuel to Flowmeter Pressure, kPa	110±10						
11. Fuel to Fuel Rail Pressure, kPa	405±10						
12. Intake Manifold Pressure, kPa abs.	Record						
13. Engine Oil Pressure, kPa	Record						
14. Coolant Flow, L/min	80 ± 4						
15. Intake Air Humidity, grains/kg	11.4 ± 0.8						
16. Crankcase Pressure, kPa	0.00 ± 0.25						
17. Barometric Pressure, kPa	Record						

Sequence VID Form 11 General Parameter Summary

Lab:	Date Comple	Date Completed:		eted:		
		Test Number				
Test Stand:	Runs On The Stand:	Engine No.		Runs on Engine:		
Oil Code:						
Formulation/Stand Code:						

BL Before Test Oil 2

General Parameters

		Stage Average					
	Spec	1	2	3	4	5	6
1. Oil Circulation Temperature, °C	Record						
2. Coolant Out Temperature, °C	Record						
3. Fuel to Flowmeter Temperature, °C	20-32						
4. Delta Fuel to Flowmeter Temp., °C ^A	<u><</u> 4						
5. Test Cell Temperature, °C	Record						
6. Load Cell Temperature, °C	Record						
7. Delta Load Cell Temperature, °C ^A	<u>< 12</u>						
8. Oil Heater Temperature, °C	205 max						
9. Intake Air Pressure, kPa	$0.05 \pm .02$						
10. Fuel to Flowmeter Pressure, kPa	110±10						
11. Fuel to Fuel Rail Pressure, kPa	405±10						
12. Intake Manifold Pressure, kPa abs.	Record						
13. Engine Oil Pressure, kPa	Record						
14. Coolant Flow, L/min	80 ± 4						
15. Intake Air Humidity, grains/kg	11.4 ± 0.8						
16. Crankcase Pressure, kPa	0.00 ± 0.25						
17. Barometric Pressure, kPa	Record						

Sequence VID Form 12 General Parameter Summary

Lab:	Date	Completed:	Time Completed:					
Test Number								
Test Stand:	Runs On The Stand	l: Engine No.	Runs on Engine:					
Oil Code:		· ·						
Formulation/Stand Code:								

<u>Test Oil Phase I</u>

General Parameters

		Stage Average					
	Spec	1	2	3	4	5	6
1. Oil Circulation Temperature, °C	Record						
2. Coolant Out Temperature, °C	Record						
3. Fuel to Flowmeter Temperature, °C	20-32						
4. Delta Fuel to Flowmeter Temp., °C ^A	<u><</u> 4						
5. Test Cell Temperature, °C	Record						
6. Load Cell Temperature, °C	Record						
7. Delta Load Cell Temperature, °C ^A	<u>< 12</u>						
8. Oil Heater Temperature, °C	205 max						
9. Intake Air Pressure, kPa	$0.05 \pm .02$						
10. Fuel to Flowmeter Pressure, kPa	110±10						
11. Fuel to Fuel Rail Pressure, kPa	405±10						
12. Intake Manifold Pressure, kPa abs.	Record						
13. Engine Oil Pressure, kPa	Record						
14. Coolant Flow, L/min	80 ± 4						
15. Intake Air Humidity, grains/kg	11.4 ± 0.8						
16. Crankcase Pressure, kPa	0.00 ± 0.25						
17. Barometric Pressure, kPa	Record						

Sequence VID Form 13 General Parameter Summary

Lab:	Date Completed:		ne Completed:				
Test Number							
Test Stand:	Runs On The Stand:	Engine No.	Runs on Engine:				
Oil Code:							
Formulation/Star	nd Code:						

<u>Test Oil Phase II</u>

General Parameters

		Stage Average					
	Spec	1	2	3	4	5	6
1. Oil Circulation Temperature, °C	Record						
2. Coolant Out Temperature, °C	Record						
3. Fuel to Flowmeter Temperature, °C	20-32						
4. Delta Fuel to Flowmeter Temp., °C ^A	<u><</u> 4						
5. Test Cell Temperature, °C	Record						
6. Load Cell Temperature, °C	Record						
7. Delta Load Cell Temperature, °C ^A	<u>< 12</u>						
8. Oil Heater Temperature, °C	205 max						
9. Intake Air Pressure, kPa	$0.05 \pm .02$						
10. Fuel to Flowmeter Pressure, kPa	110±10						
11. Fuel to Fuel Rail Pressure, kPa	405±10						
12. Intake Manifold Pressure, kPa abs.	Record						
13. Engine Oil Pressure, kPa	Record						
14. Coolant Flow, L/min	80 ± 4						
15. Intake Air Humidity, grains/kg	11.4 ± 0.8						
16. Crankcase Pressure, kPa	0.00 ± 0.25						
17. Barometric Pressure, kPa	Record						

Sequence VID Form 14 General Parameter Summary

Lab:	Date Completed:		Time Compl	eted:				
Test Number								
Test Stand:	Runs On The Stand:	Engine No.		Runs on Engine:				
Oil Code:								
Formulation/Stand	Code:							

BL After Test Oil

General Parameters

		Stage Average					
[Spec	1	2	3	4	5	6
1. Oil Circulation Temperature, °C	Record						
2. Coolant Out Temperature, °C	Record						
3. Fuel to Flowmeter Temperature, °C	20-32						
4. Delta Fuel to Flowmeter Temp., °C A	<u><</u> 4						
5. Test Cell Temperature, °C	Record						
6. Load Cell Temperature, °C	Record						
7. Delta Load Cell Temperature, °C ^A	<u>< 12</u>						
8. Oil Heater Temperature, °C	205 max						
9. Intake Air Pressure, kPa	$0.05 \pm .02$						
10. Fuel to Flowmeter Pressure, kPa	110±10						
11. Fuel to Fuel Rail Pressure, kPa	405±10						
12. Intake Manifold Pressure, kPa abs.	Record						
13. Engine Oil Pressure, kPa	Record						
14. Coolant Flow, L/min	80 ± 4						
15. Intake Air Humidity, grains/kg	11.4 ± 0.8						
16. Crankcase Pressure, kPa	0.00 ± 0.25						
17. Barometric Pressure, kPa	Record						

Sequence VID Form 15 Critical Parameter Summary

Lab:	Date Completed:		Time Completed:				
	Test	Number					
Test Stand:	Runs On The Stand:	Engine No	b. Runs on Engine:				
Oil Code:							
E 1 (* /C)	10.1						

Formulation/Stand Code:

Stage	1	Average
Dunge		1 I VI ULU

		BL Before	BL Before	Test Oil	Test Oil	BL After
	Spec	Test Oil 1	Test Oil 2	Phase I	Phase II	Test Oil
Speed, r/min	2000±5					
Torque, N-m	105 ± 0.10					
Oil Gallery Temperature, °C	115±2					
Coolant Inlet Temperature, °C	109±2					
Intake Air Temperature, °C	29±2					
Fuel to Fuel Rail Temperature, °C	22±2					
Exhaust Back Pressure, kPa abs.	105±0.17					
Fuel Flow, kg/h	Record					
Air/Fuel Ratio	14.00-15.00					
Delta AFR ^A	≤.50					
Load Cell Excitation, V	Record					
Load Cell Voltage Delta, % ^A	Record					
BSFC, kg/Kw-h	Record					
BSFC, Standard Deviation	Record					
BSFC C.V., %	Record					
	Stage 2	Average				
	6	BL Before	BL Before	Test Oil	Test Oil	BL After
	Spec		rest Off 2	r nase 1	r nase II	1 est Oll

		BL Before	BL Before	Test Oil	Test Oil	BL After
	Spec	Test Oil 1	Test Oil 2	Phase I	Phase II	Test Oil
Speed, r/min	2000±5					
Torque, N-m	105±0.10					
Oil Gallery Temperature, °C	65±2					
Coolant Inlet Temperature, °C	65±2					
Intake Air Temperature, °C	29±2					
Fuel to Fuel Rail Temperature, °C	22±2					
Exhaust Back Pressure, kPa abs.	105±0.17					
Fuel Flow, kg/h	Record					
Air/Fuel Ratio	14.00-15.00					
Delta AFR ^A	≤.50					
Load Cell Excitation, V	Record					
Load Cell Voltage Delta, % ^A	Record					
BSFC, kg/Kw-h	Record					
BSFC, Standard Deviation	Record					
BSFC C.V., %	Record					

Sequence VID Form 16 Critical Parameter Summary

		Jummurj	3	
Lab:	Date Completed:		Time Completed:	
	Test N	Jumber		
Test Stand:	Runs On The Stand:	Engine No	b. Runs on Engine:	
Oil Code:				
	1 ~ 1			

Formulation/Stand Code:

Stage 3 Average						
	Spec	BL Before Test Oil 1	BL Before Test Oil 2	Test Oil Phase I	Test Oil Phase II	BL After Test Oil
Speed, r/min	2000±5					
Torque, N-m	105±0.10					
Oil Gallery Temperature, °C	65±2					
Coolant Inlet Temperature, °C	65±2					
Intake Air Temperature, °C	29±2					
Fuel to Fuel Rail Temperature, °C	22±2					
Exhaust Back Pressure, kPa abs.	105±0.17					
Fuel Flow, kg/h	Record					
Air/Fuel Ratio	14.00-15.00					
Delta AFR ^A	≤.50					
Load Cell Excitation, V	Record					
Load Cell Voltage Delta, % ^A	≤ 0.01					
BSFC, kg/Kw-h	Record					
BSFC, Standard Deviation	Record					
BSFC C.V., %	Record					

Stage	4	Averag	e
	_		-

		DI Defene	DI Defens	Test Oil	Test Oil	DI After
	G	DL Beiore	DL Belore	I EST UII Phase I	Test Ull Phase II	DL Aller
	Spec	Test On T	Test Off 2	1 11430 1	1 11450 11	Test Off
Speed, r/min	695±5					
Torque, N-m	20±0.10					
Oil Gallery Temperature, °C	115±2					
Coolant Inlet Temperature, °C	109±2					
Intake Air Temperature, °C	29±2					
Fuel to Fuel Rail Temperature, °C	22±2					
Exhaust Back Pressure, kPa abs.	104±0.17					
Fuel Flow, kg/h	Record					
Air/Fuel Ratio	14.00-15.00					
Delta AFR ^A	≤.50					
Load Cell Excitation, V	Record					
Load Cell Voltage Delta, % ^A	≤ 0.01					
BSFC, kg/Kw-h	Record					
BSFC, Standard Deviation	Record					
BSFC C.V., %	Record					

Sequence VID Form 17 Critical Parameter Summary

Date Completed	: Time (Completed:	
	Fest Number		
Runs On The Stand:	Engine No.	Runs on Engine:	
d Code:			
	Date Completed Runs On The Stand:	Date Completed: Time of Test Number Runs On The Stand: Engine No. I Code: I Code:	Date Completed: Time Completed: Test Number Runs On The Stand: Engine No. Runs on Engine: d Code: Image: Completed: Image: Completed:

Stage 5 Average

		DI D.f.	DI D.C.	Test Ol	T (01	DI A Chara
	_	BL Before	BL Before	I est Uil	1 est Uil	BL Atter
	Spec	Test Oil 1	Test Oil 2	Phase I	Phase II	Test Oil
Speed, r/min	695±5					
Torque, N-m	20±0.10					
Oil Gallery Temperature, °C	115±2					
Coolant Inlet Temperature, °C	109±2					
Intake Air Temperature, °C	35±2					
Fuel to Fuel Rail Temperature, °C	35±2					
Exhaust Back Pressure, kPa abs.	104±0.17					
Fuel Flow, kg/h	Record					
Air/Fuel Ratio	14.00-15.00					
Delta AFR ^A	≤.50					
Load Cell Excitation Voltage, V	Record					
Load Cell Voltage Delta % ^A	Record					
BSFC, kg/Kw-h	Record					
BSFC, Standard Deviation	Record					
BSFC, C.V.%	Record					

Stage 6 Average

	Spec	BL Before Test Oil 1	BL Before Test Oil 2	Test Oil Phase I	Test Oil Phase II	BL After Test Oil
Speed, r/min	695±5					
Torque, N-m	40±0.10					
Oil Gallery Temperature, °C	115±2					
Coolant Inlet Temperature, °C	109±2					
Intake Air Temperature, °C	29±2					
Fuel to Fuel Rail Temperature, °C	22±2					
Exhaust Back Pressure, kPa abs.	104±0.17					
Fuel Flow, kg/h	Record					
Air/Fuel Ratio	14.00-15.00					
Delta AFR ^A	≤.50					
Load Cell Excitation, V	Record					
Load Cell Voltage Delta, % ^A	Record					
BSFC, kg/Kw-h	Record					
BSFC, Standard Deviation	Record					
BSFC C.V., %	Record					

Sequence VID Form 18 Downtime And Other Comments

	Downenie ind other comments					
Lab	Date Completed:		Time Completed:			
Test Number						
Test Stand:	Runs On The Stand:	Engine No.		Runs on Engine:		
Oil Code:						
Formulation/Stand Code:						

Number of Downtime Occurrences		irrences	
Test Hours	Date	Downtime	Reasons
	1		

Other Comments		
Number of Comment		
Lines		

Sequence VID Form 18A Downtime and Other Comments

Lab:	Date Completed:		Time Completed:		
Test Number					
Test Stand:	Runs On The Stand:	Engine No.		Runs on Engine:	
Oil Code:					
Formulation/Stand Code:					

Number of I	Downtime O	ccurrences	
Test			
Hours	Date	Downtime	Reasons
Total Down	time	1	

Other Comments	
Number of Comment Lines	

Sequence VID Form 18B Downtime And Other Comments

Lab:	Date Completed:		Time Completed:	
Test Number				
Test Stand:	Runs On The Stand:	Engine No.		Runs on Engine:
Oil Code:				
Formulation/Stand Code:				

Number of l	Downtime O	ccurrences	
Test Hours	Date	Downtime	Reasons
Total Down	time		

Other Comments	
Number of Comment	
Lines	

Sequence VID Form 19 American Chemistry Council Code of Practice Test Laboratory Conformance Statement

Test Laboratory			
Test Sponsor			
Formulation / Stand Code			
Test Number			
Start Date	Start Time	Time Zone	

Declarations

- No. 1 All requirements of the ACC Code of Practice for which the test laboratory is responsible were met in the conduct of this test. Yes <u>No</u> *
- No. 2 The laboratory ran this test for the full duration following all procedural requirements; and all operational validity requirements of the latest version of the applicable test procedure (ASTM or other), including all updates issued by the organization responsible for the test, were met. Yes No __*

f the response to this Declaration is "No", does the test engineer consider the
leviations from operational validity requirements that occurred to be beyond the
control of the laboratory? Yes* No

No 3. A deviation occurred for one of the test parameters identified by the organization responsible for the test as being a special case. Yes _____* No_____ (*This currently applies only to specific deviations identified in the ASTM Information Letter System*)

Check The Appropriate Conclusion

Operational review of this test indicates that the results should be included in the
Multiple Test Acceptance Criteria calculations.
*Operational review of this test indicates that the results should not be included in the
Multiple Test Acceptance Criteria calculations.

Note: Supporting comments are required for all responses identified with an asterisk.

Comments

Signature

Date

Typed Name