Sequence IIIF
Test Report

Version IIIF VERSION 20130618 Beta

Conducted For

TSTSPON1
TSTSPON2

LABVALID	V = Valid
	I = Invalid
	N = Results Cannot Be Interpreted As Representative Of Oil Performance (Non-Reference Oil) And Shall Not Be Used For Multiple Test Acceptance

TSTOIL	NR = Non-reference oil
	RO = Reference oil

Test Number					
Test Stand	STAND	Stand Test Number	STRUN	Lab Run Number	LABRUN
Oil Code:	OILCODE				
Formulation/Stand Code	FORM				
Alternate Codes	ALTCODE1		ALTCODE2		ALTCODE3
EOT Date	DTCOMP		EOT Time		EOTTIME

In my opinion this test OPVALID been conducted in a valid manner in accordance with ASTM Test Method D6984 and the appropriate amendments through the Information Letter System. The remarks included in this report describe anomalies associated with this test.

Submitted By:

SUBLAB
Testing Laboratory

SUBSIGIM
Signature

SUBNAME
Typed Name

SUBTITLE
Title

Sequence IIIF
Form 2

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[A] ACC Conformance Statement is required only for ACC registered tests.

Sequence IIIF
Form 3

Summary of Test Method

The Sequence IIIF Test is a fired-engine, dynamometer lubricant test for evaluating automotive engine oils for certain high-temperature performance characteristics, including oil thickening, varnish deposition, oil consumption, and engine wear. Such oils include both single viscosity grade and multi-viscosity grade oils that are used in spark-ignition, gasoline-fueled engines, as well as diesel engines.

The Sequence IIIF Test utilizes a 1996 General Motors Powertrain 3800 Series II, water-cooled, 4 cycle, V-6 engine as the test apparatus. The Sequence IIIF test engine is an overhead valve design (OHV) and uses a single camshaft operating both intake and exhaust valves via pushrods and hydraulic valve lifters in a sliding-follower arrangement. The engine uses one intake and one exhaust valve per cylinder. Induction is handled by a modified GM port fuel injection system setting the Air-to-Fuel ratio at 15:1. The test engine is overhauled prior to each test, during which critical engine dimensions are measured and rated or measured parts (pistons, camshaft, valve lifters, etc.) are replaced.

The Sequence IIIF Test consists of a 10-minute operational check, followed by 80 hours of engine operation at moderately high speed, load, and temperature conditions. The 80-hour segment is broken down into eight 10-hour test segments. Following each 10-hour segment, and the 10-minute operational check, oil samples are drawn from the engine. The kinematic viscosities of the 10-hour segment samples are compared to the viscosity of the 10-minute sample to determine the viscosity increase of the test oil.

The Sequence IIIF Test is operated at the following test states during the 80-hour portion of the test:

Parameter	**Set Point**
Engine Speed	3600 r/min
Engine Load	200 N·m
Oil Filter Block Temperature	155 °C
Coolant Outlet Temperature	122 °C
Fuel Pressure	365 kPa
Intake Air Temperature	27 °C
Intake Air Pressure	0.05 kPa
Intake Air Dew Point	16.1 °C
Exhaust Back Pressure	6 kPa
Engine Coolant Flow	160 L/min
Condenser Coolant Flow	10 L/min
Air-to-Fuel Ratio	15.0:1
Condenser Coolant Outlet Temperature	40 °C

Sequence IIIF
Form 4

Test Result Summary

Laboratory	LAB	Oilcode	OILCODE
Test Stand No.	STAND	Test No.	TESTNUM
Laboratory Oil Code	LABOCODE		
Formulation Stand Code	FORM		

Date Started	DTSTRT	Engine No.	ENGINENO
Time Started	STRTTIME	Fuel Batch	FUELBTID
Date Completed	DTCOMP	SAE Viscosity	SAEVISC
Time Completed	EOTTIME	TMC Oil Code[A]	IND
Test Length	TESTLEN		

Pass/Fail Results

	Viscosity Increase (%)	Screened Average Cam + Lifter Wear (µm)	Average Weighted Piston Deposits (merits)	Average Piston Skirt Varnish (merits)	Number of Hot Stuck Rings	Hours to 275% Viscosity Increase[A]
Original Units[B]	PVISINT	SACLW	WPD	APV	HSTUKT	
Transformed Results[C]	TPVIS					
Industry Correction Factor	PVIS_CF	SACLW_CF	WPD_CF	APV_CF		
Corrected Transformed Result	PVIS_COR					
Severity Adjustment	PVIS_SA		WPD_SA	APV_SA		
Final Transformed Result	TPVISFNL					
Final Original Unit Result	PVISFNL	SACLWFNL	WPDFNL	APVFNL		HOURSFNL

Additional Results

Oil Consumption (L)	OILCON	Oil Consumption Hours, h[D]	OCONHRS
Maximum Cam + Lifter Wear, µm	MCLW	Average Oil Ring Plugging , %	ORPAVG
Average Cam + Lifter Wear, µm	ACLW	Number of Cold-Stuck Rings	CSTUKT

[A] Reference Oil Tests Only

[B] Interpolated Percent Viscosity Increase for Non Reference Oil Tests, End of Test Percent Viscosity Increase for Reference Oil Tests

[C] Percent Viscosity Increase Transformation is 1/SQRT(Viscosity Increase)

[D] Test Hours at which Oil Consumption was calculated

Sequence IIIF
Form 5

Operational Summary

Laboratory	LAB	Oilcode	OILCODE		
Test Stand No.	STAND	Test No.	TESTNUM		
Laboratory Oil Code	LABOCODE				
Formulation Stand Code	FORM				

	Parameter	Units	QI Limit	EOT QI	Target	Average	Standard Deviation	Number of	
								Samples[A]	BQD[B]
Controlled Parameters	Speed	r/min	0.000	QRPM	3600	ARPM	SRPM	NRPM	BRPM
	Load	N·m	0.000	QLOAD	200	ALOAD	SLOAD	NLOAD	BLOAD
	Oil Filter Block	°C	0.000	QOTEMP	155.0	AOTEMP	SOTEMP	NOTEMP	BOTEMP
	Engine Coolant Out	°C	0.000	QCOLOUT	122.0	ACOLOUT	SCOLOUT	NCOLOUT	BCOLOUT
	Condenser Coolant Out	°C	0.000	QCCOLOUT	40.0	ACCOLOUT	SCCOLOUT	NCCOLOUT	BCCOLOUT
	Left Air-to-Fuel Ratio	-	0.000	QLAFR	15.0	ALAFR	SLAFR	NLAFR	BLAFR
	Right Air-to-Fuel Ratio	-	0.000	QRAFR	15.0	ARAFR	SRAFR	NRAFR	BRAFR
	Left Exhaust Back Pressure	kPa	0.000	QLEXBP	6.0	ALEXBP	SLEXBP	NLEXBP	BLEXBP
	Right Exhaust Back Pressure	kPa	0.000	QREXBP	6.0	AREXBP	SREXBP	NREXBP	BREXBP
	Intake Air	kPa	0.000	QINAIR	0.05	AINAIR	SINAIR	NINAIR	BINAIR
	Engine Coolant Flow	L/min	0.000	QCOLFLO	160.0	ACOLFLO	SCOLFLO	NCOLFLO	BCOLFLO

	Parameter	Units	Average	Standard Deviation	Number of	
					Samples[A]	BQD[B]
Non-controlled Parameters	Oil Sump	°C	AOSUMP	SOSUMP	NOSUMP	BOSUMP
	Pump Outlet Pressure	kPa	APOUTP	SPOUTP	NPOUTP	BPOUTP
	Gallery Pressure	kPa	AOILPRS	SOILPRS	NOILPRS	BOILPRS
	Engine Coolant In	°C	AECOLIN	SECOLIN	NECOLIN	BECOLIN
	Fuel Inlet	°C	AFUELIN	SFUELIN	NFUELIN	BFUELIN
	Intake Air	°C	AINAT	SINAT	NINAT	BINAT
	Intake Air Dew Point	°C	AINDEW	SINDEW	NINDEW	BINDEW
	Intake Vacuum	kPa	AINVAC	SINVAC	NINVAC	BINVAC
	Crankcase	kPa	ACCASEP	SCCASEP	NCCASEP	BCCASEP
	Fuel Pressure	kPa	APFUEL	SPFUEL	NPFUEL	BPFUEL

Oil Consumption Data									
HOURS	Initial Run-in	OCONH010	OCONH020	OCONH030	OCONH040	OCONH050	OCONH060	OCONH070	OCONH080
LEVEL (ml) low	OILLINI	OILLH010	OILLH020	OILLH030	OILLH040	OILLH050	OILLH060	OILLH070	OILLH080

NO_X Measurement			
Hours	NOXHH007	NOXHH039	NOXHH079
NO_X, ppm	NOX_H007	NOX_H039	NOX_H079

[A] Total Number of data points taken as determined from test length and sampling rate
[B] Number of Bad Quality Data points not used in the calculation of statistical measures

Sequence IIIF
Form 6

Used Oil Analysis Results

Laboratory	LAB	Oilcode	OILCODE
Test Stand No.	STAND	Test No.	TESTNUM
Laboratory Oil Code	LABOCODE		
Formulation Stand Code	FORM		

Viscosity Increase Data (cSt @ 40°C)				
Hours	**Viscosity[A]**	**Change**	**% Viscosity**	**Slope[B]**
New Oil	VNEW			
Initial[C]	VINI			
VISTH010	VIS_H010	DVISH010	PVISH010	
VISTH020	VIS_H020	DVISH020	PVISH020	
VISTH030	VIS_H030	DVISH030	PVISH030	
VISTH040	VIS_H040	DVISH040	PVISH040	SLP3040
VISTH050	VIS_H050	DVISH050	PVISH050	SLP4050
VISTH060	VIS_H060	DVISH060	PVISH060	SLP5060
VISTH070	VIS_H070	DVISH070	PVISH070	SLP6070
VISTH080	VIS_H080	DVISH080	PVISH080	SLP7080
TESTLEN	VISEOT	DVISEOT	PVIS	

[A] 8000 cSt is maximum allowable viscosity
[B] Slope is calculated by ((square root(%Viscosity$_{hour}$)- square root(%Viscosity$_{hour-10}$))/10 hours
[C] At end of leveling run

Method Used [D]	Industry Correction Factor (hours)	Final Reference Result (hours)
METHOD	HOURS_CF	HOURSFNL
Lab SA (hours)	Final Interpolation Point (hours)	Final Interpolated Result (% Viscosity Increase)
HOURS_SA	HOURSINT	PVISINT

[D] Reference Tests Only

Test Hours	Initial	TST_H010	TST_H020	TST_H030	TST_H040	TST_H050	TST_H060	TST_H070	TST_H080	TESTLEN
Iron	FEWMINI	FEWMH01	FEWMH02	FEWMH03	FEWMH04	FEWMH05	FEWMH06	FEWMH07	FEWMH08	FEWMEOT
Copper	CUWMIN	CUWMH01	CUWMH02	CUWMH03	CUWMH04	CUWMH05	CUWMH06	CUWMH07	CUWMH08	CUWMEO
Lead	PBWMINI	PBWMH01	PBWMH02	PBWMH03	PBWMH04	PBWMH05	PBWMH06	PBWMH07	PBWMH08	PBWMEOT

Cold Crank Simulator Results, D5293	
Final Temperature, °C	CCSTEMP
Final Cold-Crank Simulator Viscosity, cP	CCS

Mini-Rotary Viscometer Results, D4684	
MRV Temperature, °C	MRVTEMP
MRV Result, cP	MRV
Yield Stress, Pa	YSTRESS

Sequence IIIF
Form 7

Valve Lifter and Camshaft Wear Results

Laboratory	LAB	Oilcode	OILCODE
Test Stand No..	STAND	Test No.	TESTNUM
Laboratory Oil Code	LABOCODE		
Formulation Stand Code	FORM		

Number	Camshaft Lobe, μm	Valve Lifter, μm	Cam & Lifter Wear, μm
1	CAMW01	LFTW01	CLW01
2	CAMW02	LFTW02	CLW02
3	CAMW03	LFTW03	CLW03
4	CAMW04	LFTW04	CLW04
5	CAMW05	LFTW05	CLW05
6	CAMW06	LFTW06	CLW06
7	CAMW07	LFTW07	CLW07
8	CAMW08	LFTW08	CLW08
9	CAMW09	LFTW09	CLW09
10	CAMW10	LFTW10	CLW10
11	CAMW11	LFTW11	CLW11
12	CAMW12	LFTW12	CLW12
Maximum	MAXCW	MAXLFTW	MCLW
Minimum	MINCW	MINLFTW	MINCLW
Average	AVGCW	AVGLFTW	ACLW
Screened Average Cam + Lifter Wear[A]			SACLW

[A] Average Cam + Lifter Wear based on ten positions, excluding the minimum and maximum positions.

Sequence IIIF
Form 8

Summary Of Oil Ring Land Deposit Ratings

Laboratory	LAB	Oilcode	OILCODE
Test Stand No.	STAND	Test No.	TESTNUM
Laboratory Oil Code	LABOCODE		
Formulation Stand Code	FORM		
Rater	RLDRATER	Rating Date	RLDRTDT

Piston	Oil Ring Land Deposit Rating, Merits	% Chipped
1	ORLD1	ORCHIP1
2	ORLD2	ORCHIP2
3	ORLD3	ORCHIP3
4	ORLD4	ORCHIP4
5	ORLD5	ORCHIP5
6	ORLD6	ORCHIP6
Average	ORLD	AVGORCHP

Piston	% Oil Ring Plugging	Ring Sticking [A]	
		Hot-Stuck Rings	Cold-Stuck Rings
1	ORP1	HSTUK1	CSTUK1
2	ORP2	HSTUK2	CSTUK2
3	ORP3	HSTUK3	CSTUK3
4	ORP4	HSTUK4	CSTUK4
5	ORP5	HSTUK5	CSTUK5
6	ORP6	HSTUK6	CSTUK6
Total		HSTUKT	CSTUKT
Average	ORPAVG		

[A] Possible values: T = top compression ring
B = bottom compression ring
O = oil ring
N = none

Sequence IIIF
Form 9

Summary Of Piston Deposits

Laboratory	LAB	Oilcode	OILCODE
Test Stand No.	STAND	Test No.	TESTNUM
Laboratory Oil Code		LABOCODE	
Formulation Stand Code		FORM	
Rater	APVRATER	Rating Date	APVRTDT

Note: CRC Manual 20 used for all ratings.

Note: These are all unweighted ratings.

	Grooves, merits			Lands, merits		Undercrown, merits
	1	2	3	2	3	
Piston 1	G1P1	G2P1	G3P1	L2P1	ORLD1	UCP1
Piston 2	G1P2	G2P2	G3P2	L2P2	ORLD2	UCP2
Piston 3	G1P3	G2P3	G3P3	L2P3	ORLD3	UCP3
Piston 4	G1P4	G2P4	G3P4	L2P4	ORLD4	UCP4
Piston 5	G1P5	G2P5	G3P5	L2P5	ORLD5	UCP5
Piston 6	G1P6	G2P6	G3P6	L2P6	ORLD6	UCP6
WF	0.05	0.10	0.20	0.15	0.30	0.10

Note: These are all unweighted ratings.

	Piston Skirt Varnish, merits		
	Thrust	Anti-Thrust	Average
Piston 1	PSVT1	PSVA1	PSVAV1
Piston 2	PSVT2	PSVA2	PSVAV2
Piston 3	PSVT3	PSVA3	PSVAV3
Piston 4	PSVT4	PSVA4	PSVAV4
Piston 5	PSVT5	PSVA5	PSVAV5
Piston 6	PSVT6	PSVA6	PSVAV6
Average	PSVTAV	PSVAAV	APV
WF			0.10

	Total Weighted Deposits, merits
Piston 1	WPD1
Piston 2	WPD2
Piston 3	WPD3
Piston 4	WPD4
Piston 5	WPD5
Piston 6	WPD6

Average Weighted Piston Deposits, merits	WPD

Sequence IIIF
Form 10

Blowby Values & Plot

Laboratory	LAB	Oilcode	OILCODE
Test Stand No.	STAND	Test No.	TESTNUM
Laboratory Oil Code	LABOCODE		
Formulation Stand Code	FORM		

Blowby Plot

BLOWBYIM

Test Hours	BBYTH00	BBYTH00	BBYTH01	BBYTH01	BBYTH02	BBYTH02	BBYTH03	BBYTH03	BBYTH04	BBYTH04
Blowby, L/min	BLWBH0(	BLWBH0(	BLWBH0	BLWBH0	BLWBH02	BLWBH02	BLWBH0	BLWBH03	BLWBH0	BLWBH0
Test Hours	BBYTH05	BBYTH05	BBYTH06	BBYTH06	BBYTH07	BBYTH07	BBYTH07			**Average**
Blowby, L/min	BLWBH05	BLWBH05	BLWBH0(	BLWBH0(	BLWBH07	BLWBH07	BLWBH07			ABLOBY

Sequence IIIF
Form 11

Viscosity Increase Plot

Laboratory	LAB	Oilcode	OILCODE
Test Stand No.	STAND	Test No.	TESTNUM
Laboratory Oil Code	LABOCODE		
Formulation Stand Code	FORM		

VISINIM

Sequence IIIF
Form 12

Hardware Information

Lab	LAB	Oil Code	OILCODE
Stand	STAND	Test No.	TESTNUM
Laboratory Oil Code			LABOCODE
Formulation Stand Code			FORM

FIFO	Piston Ring Batch Code	RINGCODE	Build Completion Date	BUILDDT
FIFO	Oil Control (OC) Batch Code	ORINGBAT	Piston Size (Grade)	PISTSIZE
FIFO	Expander Ring (EXP) Batch Code	ERINGBAT	Block Serial Number	BLOCKSN
FIFO	Oil Filter Batch Code	OILFIBAT	Crankshaft Serial Number	CRANKSN
FIFO	Camshaft Pour Code	CAMPOURC	Crankshaft Part Number	CRANKPN
FIFO	Oil Cooler Batch Code	OILCLBAT	Camshaft Serial Number	CAMSN
FIFO	Valve Springs Batch Code	VALSPBAT	Cylinder Head Serial Number, Left	LHEADSN
FIFO	Intake Valve Seals Batch Code	INVSLBAT	Cylinder Head Serial Number, Right	RHEADSN
FIFO	Exhaust Valve Seals Batch Code	EXVSLBAT	Top Ring Gap, mils	TRINGGAP
FIFO	Main Bearings (M) Batch Code	MBRNGBAT	Bottom Ring Gap, mils	BRINGGAP
FIFO	Connecting Rod Bearings (CR) Batch Code	CBRNGBAT	Bearing Kit Serial Number	BRNGSN
FIFO	Camshaft Bushing (CB) Batch Code	CBUSHBAT		
FIFO	Lifter Engine Set Number (ESET)	LFTSETNO		
FIFO	Rocker Arm Batch Code	RARMBAT		
FIFO	Piston Batch (Code)	PISTBAT		

Sequence IIIF
Form 13

Downtime & Outlier Report Form

Lab	LAB	Oil Code	OILCODE
Stand	STAND	Test No.	TESTNUM
Laboratory Oil Code			LABOCODE
Formulation Stand Code			FORM

Number of Downtime Occurrences		DWNOCR	
Test Hours	**Date**	**Downtime**	**Reasons**
DOWNR00	DDATR001	DTIMR001	DREAR001
DOWNR00	DDATR002	DTIMR002	DREAR002
DOWNR00	DDATR003	DTIMR003	DREAR003
DOWNR00	DDATR004	DTIMR004	DREAR004
DOWNR00	DDATR005	DTIMR005	DREAR005
DOWNR00	DDATR006	DTIMR006	DREAR006
DOWNR00	DDATR007	DTIMR007	DREAR007
DOWNR00	DDATR008	DTIMR008	DREAR008
DOWNR00	DDATR009	DTIMR009	DREAR009
DOWNR01	DDATR010	DTIMR010	DREAR010
DOWNR01	DDATR011	DTIMR011	DREAR011
DOWNR01	DDATR012	DTIMR012	DREAR012
DOWNR01	DDATR013	DTIMR013	DREAR013
DOWNR01	DDATR014	DTIMR014	DREAR014
DOWNR01	DDATR015	DTIMR015	DREAR015
		TOTLDOWN	**Total Downtime (hours) – Maximum allowable downtime: 24 hours**

Other Comments		
Number of Comment Lines	TOTCOM	
OCOMR001		
OCOMR002		
OCOMR003		
OCOMR004		
OCOMR005		
OCOMR006		
OCOMR007		
OCOMR008		
OCOMR009		
OCOMR010		
OCOMR011		
OCOMR012		
OCOMR013		
OCOMR014		
OCOMR015		

Sequence IIIF
Form 13A

Downtime & Outlier Report Form

Lab	LAB	Oil Code	OILCODE
Stand	STAND	Test No.	TESTNUM
Laboratory Oil Code			LABOCODE
Formulation Stand Code			FORM

Number of Downtime Occurrences		DWNOCR	
Test Hours	**Date**	**Downtime**	**Reasons**
DOWNR01	DDATR016	DTIMR016	DREAR016
DOWNR01	DDATR017	DTIMR017	DREAR017
DOWNR01	DDATR018	DTIMR018	DREAR018
DOWNR01	DDATR019	DTIMR019	DREAR019
DOWNR02	DDATR020	DTIMR020	DREAR020
DOWNR02	DDATR021	DTIMR021	DREAR021
DOWNR02	DDATR022	DTIMR022	DREAR022
DOWNR02	DDATR023	DTIMR023	DREAR023
DOWNR02	DDATR024	DTIMR024	DREAR024
DOWNR02	DDATR025	DTIMR025	DREAR025
DOWNR02	DDATR026	DTIMR026	DREAR026
DOWNR02	DDATR027	DTIMR027	DREAR027
DOWNR02	DDATR028	DTIMR028	DREAR028
DOWNR02	DDATR029	DTIMR029	DREAR029
DOWNR03	DDATR030	DTIMR030	DREAR030
		TOTLDOWN	**Total Downtime (hours) – Maximum allowable downtime: 24 hours**

Other Comments		
Number of Comment Lines	TOTCOM	
OCOMR016		
OCOMR017		
OCOMR018		
OCOMR019		
OCOMR020		
OCOMR021		
OCOMR022		
OCOMR023		
OCOMR024		
OCOMR025		
OCOMR026		
OCOMR027		
OCOMR028		
OCOMR029		
OCOMR030		

Sequence IIIF
Form 13B

Downtime & Outlier Report Form

Lab	LAB	Oil Code	OILCODE
Stand	STAND	Test No.	TESTNUM
Laboratory Oil Code			LABOCODE
Formulation Stand Code			FORM

Number of Downtime Occurrences		DWNOCR	
Test Hours	**Date**	**Downtime**	**Reasons**
DOWNR03	DDATR031	DTIMR031	DREAR031
DOWNR03	DDATR032	DTIMR032	DREAR032
DOWNR03	DDATR033	DTIMR033	DREAR033
DOWNR03	DDATR034	DTIMR034	DREAR034
DOWNR03	DDATR035	DTIMR035	DREAR035
DOWNR03	DDATR036	DTIMR036	DREAR036
DOWNR03	DDATR037	DTIMR037	DREAR037
DOWNR03	DDATR038	DTIMR038	DREAR038
DOWNR03	DDATR039	DTIMR039	DREAR039
DOWNR04	DDATR040	DTIMR040	DREAR040
DOWNR04	DDATR041	DTIMR041	DREAR041
DOWNR04	DDATR042	DTIMR042	DREAR042
DOWNR04	DDATR043	DTIMR043	DREAR043
DOWNR04	DDATR044	DTIMR044	DREAR044
DOWNR04	DDATR045	DTIMR045	DREAR045
		TOTLDOWN	**Total Downtime (hours) – Maximum allowable downtime: 24 hours**

Other Comments	
Number of Comment Lines	TOTCOM
OCOMR031	
OCOMR032	
OCOMR033	
OCOMR034	
OCOMR035	
OCOMR036	
OCOMR037	
OCOMR038	
OCOMR039	
OCOMR040	
OCOMR041	
OCOMR042	
OCOMR043	
OCOMR044	
OCOMR045	

Sequence IIIF
Form 14
American Chemistry Council Code Of Practice
Test Laboratory Conformance Statement

Test Laboratory	SUBLAB				
Test Sponsor	TSTSPON1				
Formulation / Stand Code	FORM				
Test Number	TESTNUM				
Start Date	DTSTRT	Start Time	STRTTIME	Time Zone	TZONE

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 YESRQM No NORQMI *

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 YESFULL No NOFULL *

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

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 YESDEV* No NODEV *(This currently applies only to specific deviations identified in the ASTM Information Letter System)*

Check The Appropriate Conclusion

INCLUDE	Operational review of this test indicates that the results should be included in the Multiple Test Acceptance Criteria calculations.
DONOTINC	*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
ACCCOMM1
ACCCOMM2
ACCCOMM3
ACCCOMM4

SUBSIGIM
Signature

SUBDATE
Date

SUBNAME
Typed Name

SUBTITLE
Title