Sequence IIIF
Test Report

Version IIIF VERSION 20040521

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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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

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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	STRTTIM	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	Oil Consumption (L)[B]
Original Units	PVIS	SACLW	WPD	APV	HSTUKT	OILCON
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		

Additional Results

Oil Consumption Hours, h	OCONHRS	Average Oil Ring Plugging , %	ORPAVG
Maximum Cam + Lifter Wear, µm	MCLW	Number of Cold-Stuck Rings	CSTUKT
Average Cam + Lifter Wear, µm	ACLW		

Most Recent Stand Reference Oil Test History[D]

Test Number	RTESTNUM		
Oilcode	ROILCODE		
Date Completed	RDTCOMP	TMC Oil Code	RIND
Final Viscosity Increase, %	RPVISFNL	Fuel Batch	RFUELBID
Final Average Piston Skirt Varnish, merits	RAPVFNL		
Final Screened Average Cam + Lifter Wear, µm	RACLWFNL		
Final Maximum Cam + Lifter Wear, µm	RMCLWFN		
Final Average Weighted Piston Deposit, merits	RWPDFNL		

[A] Reference Oil Tests Only

[B] Test Hours at which Oil Consumption was calculated

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

[D] Non-reference Oil Tests Only

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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	OCONH	OCONH	OCONH	OCONH	OCONH	OCONH	OCONH	OCONH
LEVEL (ml) low	OILLIN	OILLH	OILLH0	OILLH	OILLH	OILLH	OILLH	OILLH	OILLH

NO_X Measurement			
Hours	NOXHH0	NOXHH03	NOXHH079
NO_X, ppm	NOX_H007	NOX_H039	NOX_H079

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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**	**Percent**
New Oil	VNEW		
Initial[B]	VINI		
VISTH01	VIS_H010	DVISH010	PVISH010
VISTH02	VIS_H020	DVISH020	PVISH020
VISTH03	VIS_H030	DVISH030	PVISH030
VISTH04	VIS_H040	DVISH040	PVISH040
VISTH05	VIS_H050	DVISH050	PVISH050
VISTH06	VIS_H060	DVISH060	PVISH060
VISTH07	VIS_H070	DVISH070	PVISH070
VISTH08	VIS_H080	DVISH080	PVISH080
TESTLEN	VISEOT	DVISEOT	PVIS

[A] 8000 cSt is maximum allowable viscosity
[B] At end of leveling run

Results of ICP Analysis of Used Oil										
Test Hours	Initial	TST_H01	TST_H020	TST_H030	TST_H04(	TST_H05(	TST_H06(	TST_H07	TST_H08	TESTLEN
Iron	FEWMINI	FEWMH010	FEWMH020	FEWMH030	FEWMH040	FEWMH050	FEWMH060	FEWMH070	FEWMH080	FEWMEOT
Copper	CUWMINI	CUWMH01(	CUWMH02(	CUWMH030	CUWMH04(	CUWMH05(	CUWMH06(	CUWMH07(	CUWMH08(	CUWMEOT
Lead	PBWMINI	PBWMH010	PBWMH020	PBWMH030	PBWMH040	PBWMH050	PBWMH060	PBWMH070	PBWMH080	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, cP	YSTRESS

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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	MAXLFT	MCLW
Minimum	MINCW	MINLFTV	MINCLW
Average	AVGCW	AVGLFT	ACLW
Screened Average Cam + Lifter Wear[A]			SACLW

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

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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	AVGORC

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	APVRAT	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

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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	BBYTH0(	BBYTH0(	BBYTH0	BBYTH0	BBYTH0	BBYTH0	BBYTH0	BBYTH0	BBYTH0	BBYTH0
Blowby, L/min	BLWBH0	BLWBH(	BLWBH(	BLWBH0	BLWBH0	BLWBH(	BLWBH(	BLWBH0	BLWBH0	BLWBH(
Test Hours	BBYTH0	BBYTH0	BBYTH0	BBYTH0	BBYTH0	BBYTH0	BBYTH0			**Average**
Blowby, L/min	BLWBH0	BLWBH(	BLWBH(	BLWBH(	BLWBH(	BLWBH0	BLWBH0			ABLOBY

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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

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

Build Completion Date	BUILDDT	Piston Batch (Code)		PISTBAT
Block Serial Number	BLOCKSN	Piston Size (Grade)		PISTSIZE
Crankshaft Serial Number	CRANKSI	Piston Ring Batch Code		RINGCOI
Camshaft Serial Number	CAMSN	Oil Filter Batch Code		OILFIBAT
Cylinder Head Serial Number, Left	LHEADSN	Intake Valve Seals Batch Code		INVSLBA
Cylinder Head Serial Number, Right	RHEADSN	Valve Springs Batch Code		VALSPBA
Bearing Kit Serial Number	BRNGSN	Lifter Serial Number	Lifter Position 1	LFTR1SN
Top Ring Gap, mils	TRINGGAP		Lifter Position 2	LFTR2SN
Bottom Ring Gap, mils	BRINGGAP		Lifter Position 3	LFTR3SN
Connecting Rod Type (CAST or PM)	CRODTYPE		Lifter Position 4	LFTR4SN
			Lifter Position 5	LFTR5SN
			Lifter Position 6	LFTR6SN
			Lifter Position 7	LFTR7SN
			Lifter Position 8	LFTR8SN
			Lifter Position 9	LFTR9SN
			Lifter Position 10	LFTR10SN
			Lifter Position 11	LFTR11SN
			Lifter Position 12	LFTR12SN

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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**
DOWNR001	DDATR001	DTIMR001	DREAR001
DOWNR002	DDATR002	DTIMR002	DREAR002
DOWNR003	DDATR003	DTIMR003	DREAR003
DOWNR004	DDATR004	DTIMR004	DREAR004
DOWNR005	DDATR005	DTIMR005	DREAR005
DOWNR006	DDATR006	DTIMR006	DREAR006
DOWNR007	DDATR007	DTIMR007	DREAR007
DOWNR008	DDATR008	DTIMR008	DREAR008
DOWNR009	DDATR009	DTIMR009	DREAR009
DOWNR010	DDATR010	DTIMR010	DREAR010
DOWNR011	DDATR011	DTIMR011	DREAR011
DOWNR012	DDATR012	DTIMR012	DREAR012
DOWNR013	DDATR013	DTIMR013	DREAR013
DOWNR014	DDATR014	DTIMR014	DREAR014
DOWNR015	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
DOWNR023	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
		TOTLDOWI	**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**
DOWNR031	DDATR031	DTIMR031	DREAR031
DOWNR032	DDATR032	DTIMR032	DREAR032
DOWNR033	DDATR033	DTIMR033	DREAR033
DOWNR034	DDATR034	DTIMR034	DREAR034
DOWNR035	DDATR035	DTIMR035	DREAR035
DOWNR036	DDATR036	DTIMR036	DREAR036
DOWNR037	DDATR037	DTIMR037	DREAR037
DOWNR038	DDATR038	DTIMR038	DREAR038
DOWNR039	DDATR039	DTIMR039	DREAR039
DOWNR040	DDATR040	DTIMR040	DREAR040
DOWNR041	DDATR041	DTIMR041	DREAR041
DOWNR042	DDATR042	DTIMR042	DREAR042
DOWNR043	DDATR043	DTIMR043	DREAR043
DOWNR044	DDATR044	DTIMR044	DREAR044
DOWNR045	DDATR045	DTIMR045	DREAR045
		TOTLDOWT	**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 ESRQME No NORQME *

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 YESNODEC* 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