Sequence IIIF
Test Report

Version IIIF VERSION 20030624

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 D 6984 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

Table of Contents

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.	STAND – STRUN – LABRUN		
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	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[C]				
Test Number	RSTAND – RSTRUN – RLABRUN			
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] Non-reference Oil Tests Only

Sequence IIIF
Form 5

Operational Summary

Laboratory	LAB		Oilcode	OILCODE			
Test Stand No.		STAND		Test No.	STAND – STRUN – LABRUN		
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	SFUELIN	NFUELIN	BFUELIN	AINAT
	Intake Air	°C	AINDEW	SINDEW	NINDEW	BINDEW
	Intake Air Dew Point	°C	AFUELIN	SINAT	NINAT	BINAT
	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	OILLH0	OILLH0	OILLH0	OILLH0	OILLH0	OILLH0	OILLH0	OILLH0

NOX Measurement			
Hours	NOXHH00	NOXHH03	NOXHH079
NOX, 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.	STAND – STRUN – LABRUN		
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	CUWMH010	CUWMH020	CUWMH030	CUWMH040	CUWMH050	CUWMH060	CUWMH070	CUWMH080	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

Sequence IIIF
Form 7

Valve Lifter and Camshaft Wear Results

Laboratory	LAB	Oilcode	OILCODE			
Test Stand No..	STAND	Test No.	STAND –	STRUN –	LABRUN	
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	MINLFTW	MINCLW
Average	AVGCW	AVGLFTV	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.	STAND	− STRUN	− LABRUN
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

Summary Of Piston Deposits

Laboratory	LAB	Oilcode	OILCODE		
Test Stand No.	STAND	Test No.	STAND — STRUN — LABRUN		
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

Blowby Values & Plot

Laboratory	LAB	Oilcode	OILCODE				
Test Stand No.	STAND	Test No.	STAND	– STRUN	–	LABRUN	
Laboratory Oil Code		LABOCODE					
Formulation Stand Code		FORM					

Blowby Plot

BLOWBYIM

Test Hours	BBYTH00	BBYTH00	BBYTH0	BBYTH0	BBYTH0	BBYTH0	BBYTH0	BBYTH0	BBYTH0	BBYTH0
Blowby, L/min	BLWBH0	BLWBH0	BLWBH0	BLWBH0	BLWBH0	BLWBH0	BLWBH0	BLWBH0	BLWBH0	BLWBH0
Test Hours	BBYTH0	BBYTH0	BBYTH0	BBYTH0	BBYTH0	BBYTH0	BBYTH0			Average
Blowby, L/min	BLWBH0	BLWBH0	BLWBH0	BLWBH0	BLWBH0	BLWBH0	BLWBH0			ABLOBY

Sequence IIIF
Form 11

Viscosity Increase Plot

Laboratory	LAB		Oilcode	OILCODE				
Test Stand No.		STAND	Test No.	STAND	–	STRUI	–	LABRUI
Laboratory Oil Code	LABOCODE							
Formulation Stand Code	FORM							

VISINIM

Hardware Information

Laboratory	LAB	Oilcode	OILCODE				
Test Stand No.		STAND	Test No.	STAND	–	STRUN	–	LABRUN
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		RINGCOL
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 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 Serial Number	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

Downtime & Outlier Report Form

Lab	LAB	Oil Code	OILCODE				
Stand	STAND	Test No.	STAND	--	STRUN	--	LABRUN
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.	STAND --	STRUN	-- LABRUN	
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	
DOWNR22	DDATR022	DTIMR022	DREAR022	
DOWNR023	DDATR023	DTIMR023	DREAR023	
DOWNR024	DDATR024	DTIMR024	DREAR024	
DOWNR02	DDATR025	DTIMR025	DREAR025	
DOWNR02	DDATR026	DTIMR026	DREAR026	
DOWNR02	DDATR027	DTIMR027	DREAR027	
DOWNR028	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.	STAND	--	STRUN	--	LABRUN	
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	
		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	

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

SUBNAME
_____

Typed Name

SUBDATE
_____

Date

SUBTITLE
_____

Title