Caterpiller C-13
Engine Oil Test

Version

Title / Validity Declaration Page
Form 1

Conducted For

	V =	Valid; The Reference Oil / Non-Reference Oil was evaluated in accordance with the test procedure.
	I =	Invalid; The Reference / Non-Reference Oil was not evaluated in accordance with the test procedure.
	N =	Results cannot be interpreted as representative of oil performance (Non-Reference Oil) and shall not be used in determining average test results using Mutiple Test Criteria.

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

Test Number		
Stand:	**Stand Run No.:**	
End of Test Date:	**End of Test Time:**	
Oil Code / CMIR: [A]		
Formulation / Stand Code: [B]		
Altcode 1:	**Altcode 2:**	**Altcode 3:**

In my opinion the test been conducted in a valid manner in accordance with Test Method D XXXX and the appropriate amendments through the information letter system. The remarks included in this report describe the anomalies associated with this test.

[A] CMIR or Non-Reference Oil Code [B] ACC-Registered Tests Only

Submitted By: _____
Testing Laboratory

_____
Signature

_____
Typed Name

_____
Title

Caterpiller C-13
Engine Oil Test

Form 2
Table of Contents

Caterpiller C-13
Engine Oil Test

Form 3
Summary of Test Method

The CAT C-13 Engine Oil Test is an engine-dynamometer test which evaluates the ability of an engine oil to protect against ring sticking and oil consumption.

The test engine is a CAT C-13 diesel engine with ACERT technology. It is an in-line six cylinder, four stroke, turbocharged engine with electronically controlled fuel injection.

C-13 Test Conditions	
Parameter	**Value**
Time, h	500
Speed, r/min	1800
Fuel Flow, g/min	1200
Inlet Manifold Temperature, ºC	40
Coolant Out Temperature, ºC	88
Fuel In Temperature, ºC	40
Oil Gallery Temperature, ºC	98
Intake Air Temperature, º C	25
Tailpipe Exhaust Temperature, ºC	Record
Intake Air Restriction, kPa Absolute	93
Intake Manifold Pressure, kPa	280
Exhaust Back Pressure, kPa	6
Dew Point, ºC	Record
Coolant System Pressure, kPa	99 - 107
Power, Kw	Record
Torque, Nm	Record
Oil Gallery Pressure, kPa	Record

Caterpiller C-13
Engine Oil Test
Test Results Summary
Form 4

Laboratory:	**EOT Date:**	**EOT Time:**
Test Number:		
Oil Code:		
Formulation / Stand Code:		

Date Test Started	
Start Time	
Test Length	
Laboratory Oil Code	
TMC Oil Code [A]	
SAE Viscosity	
Engine Number	
Engine Hours	
Engine Serial No.	
Hot Ring Sticking? <Yes or No>	
Piston, Ring, or Liner Scuffing? <Yes or No>	
Oil Consumption 100 – 150 Hours, g/h	
Oil Consumption 450 – 500 Hours, g/h	

	TGC (demerits)	**TLC (demerits)**	**2nd Ring Top Carbon (demerits)**	**Oil Consumption Delta (g/h)**
Original Result				
Transformed Result [B]				
Correction Factor [B]				
Corrected Transformed Result [B]				
Final Transformed Result [B]				
Final Result				
Merits				
Total Merits				

Last Stand Reference Results	
Test Number:	
Oil Code:	
Test Length	
TMC Oil Code	
EOT Date	
EOT Time	
Stand Calibration Expiration Date	
Oil Consumption 100 – 150 Hours, g/h	
Oil Consumption 450 – 500 Hours, g/h	

	TGC (demerits)	**TLC (demerits)**	**2nd Ring Top Carbon (demerits)**	**Oil Consumption Delta (g/h)**
Final Result				

[A] Reference Tests Only
[B] 2nd Ring Top Carbon and Oil Consumption Delta Values in Transformed Units

Caterpiller C-13
Engine Oil Test
Operational Summary
Form 5

Laboratory:	**EOT Date:**	**EOT Time:**
Test Number:		
Oil Code:		
Formulation / Stand Code:		

Controlled Parameters								
Parameter	**Units**	**QI Threshold**	**EOT QI**	**Target**	**Average**	**Samples**	**BQD**	**Over/Under Range**
Speed	**r/min**	**0.000**		**1800**				
Fuel Flow	**g/min**	**0.000**		**1200**				
Inlet Air Temp.	**°C**	**0.000**		**25**				
Intake Manifold Temp.	**°C**	**0.000**		**40**				
Fuel In Temp.	**°C**	**0.000**		**40**				
Coolant Out Temp.	**°C**	**0.000**		**88**				
Oil Gallery Temp.	**°C**	**0.000**		**98**				
Exhaust Back Press.	**kPa**	**0.000**		**6**				
Non-QI Control Parameters								
Parameter	**Units**	**Specification**			**Average**	**Samples**	**BQD**	**Over/Under Range**
Inlet Air Pressure	**kPa**	**93.0 ± 1.5**						
Ranged Parameter								
Parameter	**Units**	**Specification**			**Average**	**Samples**	**BQD**	**Over/Under Range**
Inlet Manifold Press.	**kPa**	**275 – 285**						
Non-Controlled Paramters								
Parameter	**Units**	**Typical Values**			**Average**			
Engine Torque	**Nm**	**Tbd**						
Oil Sump Temp.	**°C**	**Tbd**						
Oil Gallery Press.	**kPa**	**Tbd**						
Dew Point	**°C**	**Tbd**						

Caterpiller C-13
Engine Oil Test Oil Analysis Summary - Form 6

Laboratory:	EOT Date:	EOT Time:
Test Number:		
Oil Code:		
Formulation / Stand Code:		

Hours	Soot Wt.% TGA	Viscosity @ 100°C cSt,D445	TBN D 4739	TAN D 664	Integrated IR Oxidation	Fuel Dilution Wt. %, D 3524

Hours	Metal Elements (ppm)							
	Fe	Pb	Cu	Cr	Al	Si	Sn	Na

Caterpiller C-13
Engine Oil Test
Unscheduled Downtime & Maintenance Summary
Form 7

Laboratory:	EOT Date:	EOT Time:
Test Number:		
Oil Code:		
Formulation / Stand Code:		

Number of Downtime Occurrences		

Test Hours	Date	Downtime	Reasons
			Total Downtime

Other Comments		
Number of Comment Lines		

Caterpiller C-13
Engine Oil Test
Unscheduled Downtime & Maintenance Summary
Form 7A

Laboratory:	EOT Date:	EOT Time:
Test Number:		
Oil Code:		
Formulation / Stand Code:		

Number of Downtime Occurrences			
Test Hours	Date	Downtime	Reasons
			Total Downtime

Other Comments		
Number of Comment Lines		

Caterpiller C-13
Engine Oil Test
Unscheduled Downtime & Maintenance Summary
Form 7B

Laboratory:	**EOT Date:**	**EOT Time:**
Test Number:		
Oil Code:		
Formulation / Stand Code:		

Number of Downtime Occurrences		

Test Hours	**Date**	**Downtime**	**Reasons**
			Total Downtime

Other Comments		
Number of Comment Lines		

Caterpiller C-13
Engine Oil Test
Test Fuel Analysis (Last Batch)
Form 8

Laboratory:	**EOT Date:**	**EOT Time:**
Test Number:		
Oil Code:		
Formulation / Stand Code:		
Fuel Supplier:		**Fuel Batch ID:**

Measurement	Specs.	Analysis		Test Method
		New	EOT	
Total Sulfur, ppm	7 – 15			D 5453
Gravity, °API	34 – 37			D 4052
Hydrocarbon Composition				
Aromatics, % Weight	26 – 31.5			D 5186
Olefins, % Volume	Report			D 1319
Cetane Index	Report			D 976
Cetane No.	43 – 47			D 613
Copper Strip Corrosion	1 Maximum			D 130
Flash Point, °C	54 Minimum			D 93
Pour Point, °C	-18 Maximum			D 97
Carbon Residue on 10% Residuum, %	0.35 Maximum			D 524 (10% Bottoms)
Water & Sediment, % Volume	0.05 Maximum			D 2709
Viscosity, cSt @ 40°C	2.0 – 2.6			D 445
Total Acid Number	0.05 Maximum			D 664
Strong Acid Number	0.00 Maximum			D 664
Accelerated Stability	1.5 max			D 2274
Ash, % Weight	0.005 Maximum			D 482
SLBOCLE, g	3100 min[A]			D 6078[A]
90% Distillation, °C	282 – 338			D 86

[A] May be altered to be consistent with CARB or ASTM diesel fuel specifications.

Caterpiller C-13
Engine Oil Test
Build-Up and Hardware Information
Form 9

Laboratory:	**EOT Date:**	**EOT Time:**
Test Number:		
Oil Code:		
Formulation / Stand Code:		

Hardware	
Part	**Part Number**
Intake Valve	
Exhaust Valve	
Cylinder Head	
Head Gasket	
Pistons	
Injectors	
Rod Bearings	
Liners	
Top Ring	
2nd Ring	
Oil Ring	

Caterpiller C-13
Engine Oil Test
Piston Deposit Rating Summary
Form 10

Laboratory:	**EOT Date:**	**EOT Time:**
Test Number:		
Oil Code:		
Formulation / Stand Code:		

	Parameter							
Piston No.	**TGC** Demerits	**TLC** Demerits	**R2TC** Demerits	**TLHC** %	**AGF** %	**WD** Demerits	**IGC** Demerits	**2LC** Demerits
1								
2								
3								
4								
5								
6								
Average								
Std. Dev.								
Outlier								
Outlier Screened Results								
Average								

Piston No.		**Top**	**Int.**	**Oil**	**Crown**	**Skirt**	**Liner**
1	Stuck Ring						
	Scuffed						
2	Stuck Ring						
	Scuffed						
3	Stuck Ring						
	Scuffed						
4	Stuck Ring						
	Scuffed						
5	Stuck Ring						
	Scuffed						
6	Stuck Ring						
	Scuffed						

Caterpiller C-13
Engine Oil Test
Rating Summary: Piston No. 1
Form 11

Laboratory:	**EOT Date:**	**EOT Time:**
Test Number:	**Oil Code:**	
Formulation / Stand Code:		
Date Rated:	**Rater Initials:**	**Verified By:**

Total Piston Ratings Summary

		Grooves				Lands					Groove		Lands				Oil Cooling Gallery		Under Crown	
	Deposit Factor	No. 1		No. 2		No. 1		No. 2		Deposit Factor	No. 3		No. 3		No. 4					
		A,%	DEM.	A,%	DEM.	A,%	DEM.	A,%	DEM.		A,%	DEM.	A,%	DEM.	A,%	DEM.			A,%	DEM.
CARBON																				
	HC - 1.0																			
	MC - 0.5																			
	LC - .25																			
	Total																			
VARNISH	8 - 9									7.5										
	7 - 7.9																			
	6 - 6.9																			
	5 - 5.9									4.5										
	4 - 4.9																			
	3 - 3.9																			
	2 - 2.9									1.5										
	1 - 1.9																			
	>0 - 0.9																			
	Clean		0		0		0		0			0		0		0				0
	Total																			
Rating																				
Location Factor		2		3		1		3			20		20		60				1	
Ind.Rating																				

WDP	TGC	TLC	Unweighted Deposits	Top Land Flaked Carbon %
TGF	**IGF %**	**TLHC %**	**Acc. Groove Fill %**	

Caterpiller C-13
Engine Oil Test
Rating Summary: Piston No. 2
Form 12

Laboratory:	**EOT Date:**	**EOT Time:**
Test Number:	**Oil Code:**	
Formulation / Stand Code:		
Date Rated:	**Rater Initials:**	**Verified By:**

Total Piston Ratings Summary

		Grooves				Lands					Groove		Lands				Oil Cooling Gallery		Under Crown	
	Deposit Factor	No. 1		No. 2		No. 1		No. 2		Deposit Factor	No. 3		No. 3		No. 4					
		A,%	DEM.	A,%	DEM.	A,%	DEM.	A,%	DEM.		A,%	DEM.	A,%	DEM.	A,%	DEM.			A,%	DEM.
CARBON																				
	HC - 1.0																			
	MC - 0.5																			
	LC - .25																			
	Total																			
VARNISH	8 - 9									7.5										
	7 - 7.9																			
	6 - 6.9																			
	5 - 5.9									4.5										
	4 - 4.9																			
	3 - 3.9																			
	2 - 2.9									1.5										
	1 - 1.9																			
	>0 - 0.9																			
	Clean		0		0		0		0			0		0		0				0
	Total																			
Rating																				
Location Factor		2		3		1		3			20		20		60				1	
Ind.Rating																				

WDP	TGC	TLC	Unweighted Deposits	Top Land Flaked Carbon %
TGF	**IGF %**	**TLHC %**	**Acc. Groove Fill %**	

Caterpiller C-13
Engine Oil Test
Rating Summary: Piston No. 3
Form 13

Laboratory:	**EOT Date:**	**EOT Time:**
Test Number:	**Oil Code:**	
Formulation / Stand Code:		
Date Rated:	**Rater Initials:**	**Verified By:**

Total Piston Ratings Summary

		Grooves				Lands					Groove		Lands				Oil Cooling Gallery		Under Crown	
	Deposit Factor	No. 1		No. 2		No. 1		No. 2		Deposit Factor	No. 3		No. 3		No. 4					
		A,%	DEM.	A,%	DEM.	A,%	DEM.	A,%	DEM.		A,%	DEM.	A,%	DEM.	A,%	DEM.			A,%	DEM.
CARBON																				
	HC - 1.0																			
	MC - 0.5																			
	LC - .25																			
	Total																			
VARNISH	8 - 9									7.5										
	7 - 7.9																			
	6 - 6.9																			
	5 - 5.9									4.5										
	4 - 4.9																			
	3 - 3.9																			
	2 - 2.9									1.5										
	1 - 1.9																			
	>0 - 0.9																			
	Clean		0		0		0		0			0		0		0				0
	Total																			
Rating																				
Location Factor		2		3		1		3			20		20		60				1	
Ind.Rating																				

WDP	TGC	TLC	Unweighted Deposits	Top Land Flaked Carbon %
TGF	**IGF %**	**TLHC %**	**Acc. Groove Fill %**	

Caterpiller C-13
Engine Oil Test
Rating Summary: Piston No. 4
Form 14

Laboratory:	**EOT Date:**	**EOT Time:**
Test Number:	**Oil Code:**	
Formulation / Stand Code:		
Date Rated:	**Rater Initials:**	**Verified By:**

Total Piston Ratings Summary

		Grooves				Lands					Groove		Lands				Oil Cooling Gallery		Under Crown	
	Deposit	No. 1		No. 2		No. 1		No. 2		Deposit	No. 3		No. 3		No. 4					
	Factor	A,%	DEM.	A,%	DEM.	A,%	DEM.	A,%	DEM.	Factor	A,%	DEM.	A,%	DEM.	A,%	DEM.			A,%	DEM.
CARBON																				
	HC - 1.0																			
	MC - 0.5																			
	LC - .25																			
	Total																			
VARNISH	8 - 9																			
	7 - 7.9									7.5										
	6 - 6.9																			
	5 - 5.9																			
	4 - 4.9									4.5										
	3 - 3.9																			
	2 - 2.9																			
	1 - 1.9									1.5										
	>0 - 0.9																			
	Clean		0		0		0		0			0		0		0				0
	Total																			
Rating																				
Location Factor		2		3		1		3			20		20		60				1	
Ind.Rating																				

WDP	TGC	TLC	Unweighted Deposits	Top Land Flaked Carbon %
TGF	**IGF %**	**TLHC %**	**Acc. Groove Fill %**	

Caterpiller C-13
Engine Oil Test
Rating Summary: Piston No. 5
Form 15

Laboratory:	**EOT Date:**	**EOT Time:**
Test Number:	**Oil Code:**	
Formulation / Stand Code:		
Date Rated:	**Rater Initials:**	**Verified By:**

Total Piston Ratings Summary

		Grooves				Lands					Groove		Lands				Oil Cooling Gallery		Under Crown	
	Deposit Factor	No. 1		No. 2		No. 1		No. 2		Deposit Factor	No. 3		No. 3		No. 4					
		A,%	DEM.	A,%	DEM.	A,%	DEM.	A,%	DEM.		A,%	DEM.	A,%	DEM.	A,%	DEM.			A,%	DEM.
CARBON																				
	HC - 1.0																			
	MC - 0.5																			
	LC - .25																			
	Total																			
VARNISH	8 - 9																			
	7 - 7.9									7.5										
	6 - 6.9																			
	5 - 5.9																			
	4 - 4.9									4.5										
	3 - 3.9																			
	2 - 2.9																			
	1 - 1.9									1.5										
	>0 - 0.9																			
	Clean		0		0		0		0			0		0		0				0
	Total																			
Rating																				
Location Factor		2		3		1		3			20		20		60				1	
Ind.Rating																				

WDP	TGC	TLC	Unweighted Deposits	Top Land Flaked Carbon %
TGF	**IGF %**	**TLHC %**	**Acc. Groove Fill %**	

Caterpiller C-13
Engine Oil Test
Rating Summary: Piston No. 6
Form 16

Laboratory:	**EOT Date:**	**EOT Time:**
Test Number:	**Oil Code:**	
Formulation / Stand Code:		
Date Rated:	**Rater Initials:**	**Verified By:**

Total Piston Ratings Summary

		Grooves				Lands					Groove		Lands				Oil Cooling Gallery		Under Crown	
	Deposit Factor	No. 1		No. 2		No. 1		No. 2		Deposit Factor	No. 3		No. 3		No. 4					
		A,%	DEM.	A,%	DEM.	A,%	DEM.	A,%	DEM.		A,%	DEM.	A,%	DEM.	A,%	DEM.			A,%	DEM.
CARBON																				
	HC - 1.0																			
	MC - 0.5																			
	LC - .25																			
	Total																			
VARNISH	8 - 9																			
	7 - 7.9									7.5										
	6 - 6.9																			
	5 - 5.9																			
	4 - 4.9									4.5										
	3 - 3.9																			
	2 - 2.9																			
	1 - 1.9									1.5										
	>0 - 0.9																			
	Clean		0		0		0		0			0		0		0				0
	Total																			
Rating																				
Location Factor		2		3		1		3			20		20		60				1	
Ind.Rating																				

WDP	TGC	TLC	Unweighted Deposits	Top Land Flaked Carbon %
TGF	**IGF %**	**TLHC %**	**Acc. Groove Fill %**	

Caterpiller C-13
Engine Oil Test
Rating Summary: Piston No. 1
Form 17

Laboratory:	**EOT Date:**	**EOT Time:**
Test Number:		
Oil Code:		
Formulation / Stand Code:		

Carbon						**Varnish**									
Deposit			HC	MC	LC	9.0-8	7.9-7	6.9-6	5.9-5	4.9-4	3.9-3	2.9-2	1.9-1	0.9-0	Clean
Groove Top And Bottom % Area	1	T													
		B													
	2	T													
		B													
	3	T													
		B													
Top Bottom And Back Of Rings % Area	1	T													
		B													
		BK													
	2	T													
		B													
		BK													
	3	T													
		B													
		BK													

Top Ring Stuck			%
Top Ring Scuffed			%
Second Ring Stuck			%
Second Ring Scuffed			%
Oil Ring Stuck			%
Oil Ring Scuffed			%
Crown Scuffed			%
Skirt Scuffed			%
Liner Scuffed			%

Caterpiller C-13
Engine Oil Test
Rating Summary: Piston No. 2
Form 18

Laboratory:	**EOT Date:**	**EOT Time:**
Test Number:		
Oil Code:		
Formulation / Stand Code:		

Carbon						**Varnish**									
Deposit			HC	MC	LC	9.0-8	7.9-7	6.9-6	5.9-5	4.9-4	3.9-3	2.9-2	1.9-1	0.9-0	Clean
Groove Top And Bottom % Area	1	T													
		B													
	2	T													
		B													
	3	T													
		B													
Top Bottom And Back Of Rings % Area	1	T													
		B													
		BK													
	2	T													
		B													
		BK													
	3	T													
		B													
		BK													

Top Ring Stuck			%
Top Ring Scuffed			%
Second Ring Stuck			%
Second Ring Scuffed			%
Oil Ring Stuck			%
Oil Ring Scuffed			%
Crown Scuffed			%
Skirt Scuffed			%
Liner Scuffed			%

Caterpiller C-13
Engine Oil Test
Rating Summary: Piston No. 3
Form 19

Laboratory:	**EOT Date:**	**EOT Time:**
Test Number:		
Oil Code:		
Formulation / Stand Code:		

Carbon						**Varnish**									
Deposit			HC	MC	LC	9.0-8	7.9-7	6.9-6	5.9-5	4.9-4	3.9-3	2.9-2	1.9-1	0.9-0	Clean
Groove Top And Bottom % Area	1	T													
		B													
	2	T													
		B													
	3	T													
		B													
Top Bottom And Back Of Rings % Area	1	T													
		B													
		BK													
	2	T													
		B													
		BK													
	3	T													
		B													
		BK													

Top Ring Stuck			%
Top Ring Scuffed			%
Second Ring Stuck			%
Second Ring Scuffed			%
Oil Ring Stuck			%
Oil Ring Scuffed			%
Crown Scuffed			%
Skirt Scuffed			%
Liner Scuffed			%

Caterpiller C-13
Engine Oil Test
Rating Summary: Piston No. 4
Form 20

Laboratory:	**EOT Date:**	**EOT Time:**
Test Number:		
Oil Code:		
Formulation / Stand Code:		

Carbon						**Varnish**									
Deposit			HC	MC	LC	9.0-8	7.9-7	6.9-6	5.9-5	4.9-4	3.9-3	2.9-2	1.9-1	0.9-0	Clean
Groove Top And Bottom % Area	1	T													
		B													
	2	T													
		B													
	3	T													
		B													
Top Bottom And Back Of Rings % Area	1	T													
		B													
		BK													
	2	T													
		B													
		BK													
	3	T													
		B													
		BK													

Top Ring Stuck			%	
Top Ring Scuffed			%	
Second Ring Stuck			%	
Second Ring Scuffed			%	
Oil Ring Stuck			%	
Oil Ring Scuffed			%	
Crown Scuffed			%	
Skirt Scuffed			%	
Liner Scuffed			%	

Caterpiller C-13
Engine Oil Test
Rating Summary: Piston No. 5
Form 21

Laboratory:	**EOT Date:**	**EOT Time:**
Test Number:		
Oil Code:		
Formulation / Stand Code:		

Carbon						**Varnish**									
Deposit			HC	MC	LC	9.0-8	7.9-7	6.9-6	5.9-5	4.9-4	3.9-3	2.9-2	1.9-1	0.9-0	Clean
Groove Top And Bottom % Area	1	T													
		B													
	2	T													
		B													
	3	T													
		B													
Top Bottom And Back Of Rings % Area	1	T													
		B													
		BK													
	2	T													
		B													
		BK													
	3	T													
		B													
		BK													

Top Ring Stuck			%
Top Ring Scuffed			%
Second Ring Stuck			%
Second Ring Scuffed			%
Oil Ring Stuck			%
Oil Ring Scuffed			%
Crown Scuffed			%
Skirt Scuffed			%
Liner Scuffed			%

Caterpiller C-13
Engine Oil Test
Rating Summary: Piston No. 6
Form 22

Laboratory:	**EOT Date:**	**EOT Time:**
Test Number:		
Oil Code:		
Formulation / Stand Code:		

Carbon						**Varnish**									
Deposit			HC	MC	LC	9.0-8	7.9-7	6.9-6	5.9-5	4.9-4	3.9-3	2.9-2	1.9-1	0.9-0	Clean
Groove Top And Bottom % Area	1	T													
		B													
	2	T													
		B													
	3	T													
		B													
Top Bottom And Back Of Rings % Area	1	T													
		B													
		BK													
	2	T													
		B													
		BK													
	3	T													
		B													
		BK													

Top Ring Stuck			%
Top Ring Scuffed			%
Second Ring Stuck			%
Second Ring Scuffed			%
Oil Ring Stuck			%
Oil Ring Scuffed			%
Crown Scuffed			%
Skirt Scuffed			%
Liner Scuffed			%

Caterpiller C-13
Engine Oil Test
Oil Consumption Plot
Form 23

Laboratory:	**EOT Date:**	**EOT Time:**
Test Number:		
Oil Code:		
Formulation / Stand Code:		

Test Hours	**50**	**100**	**150**	**200**	**250**	**300**	**350**	**400**	**450**	**500**
Oil Consumption, g/h										
R^2										

100 – 150 h Oil Consumption:

450 – 500 h Oil Consumption:

Delta OC:

Test Hours

Caterpiller C-13
Engine Oil Test
Form 24
Ring Weight Loss

Laboratory:	**EOT Date:**	**EOT Time:**
Test Number:		
Oil Code:		
Formulation / Stand Code:		

Cylinder No.	Top Ring SOT Weight, g	Top Ring EOT Weight, g	Weight Loss, mg
1			
2			
3			
4			
5			
6			

Caterpiller C-13
Engine Oil Test
Form 25
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 _____ No_____ *

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_____*

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 _____* 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 Title