A5. Report Forms
Test Method D5862
(6V92TA)
Version 6V92 VERSION 20040729 BETA

Sponsored By:
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

C	**V** = Valid; The reference oil/non-reference oil was evaluated in accordance with the test procedure.
	I = Invalid; The reference oil/non-reference oil was not evaluated in accordance with the test procedure.
	N = Not interpreted; The non-reference oil results cannot be interpreted and shall not be used in determining an average test result using multiple test criteria.

Test Number			
Test Stand CCCCC	Stand Run Number CCCC CCCC	Engine Number CCCCCC CCCCCC	Engine Run Number CCCC CCCC

Date Completed: YYYYMMDD YYYYMMDD		Time Completed: HH:MM HH:MM	
Oil Code [A]: CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC CCCCCC			
Formulation/Stand Code: CC-CCCCCCCCCC-C-C-CCCCCC-CC-CC-CCCCC			
Additional Comments:	CCCCCCCCCCCCCCCC	CCCCCCCCCCCCCCCC	CCCCCCCCCCCCCCCC

In my opinion this test CCCCCCCC been conducted in a valid manner in accordance with Test Method D5862 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

Submitted By:

CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
Testing Laboratory

Signature Image
Signature

CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
Typed Name

CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
Title

Test Method D5862
(6V92TA)
Form 1
Test Lab Affidavit

Reference Oil Test

Test Lab	Test Stand No.	Test Stand Run No.	Engine Block No.	Engine Block Run No.
CC	CCCCC	CCCC	CCCCCC	CCCC
Lab Oil Code	**SAE Viscosity**	**Test Length**	**Date Started**	**EOT Time**
CCCCCCCCCCCC	CCCCCCC	S1234	YYYYMMDD	HH:MM

Date Test Completed	CMIR Code No.	TMC Oil No.		Ref. Test Accept. Limits Effective Date
YYYYMMDD	CCCCCC	CCCCCC		YYYYMMDD
		Fire Ring Distress (Demerits)	2nd & 3rd Avg. Face Distress (Demerits)	Vg. Liestner Scuffing (% Area)
Lab Rating		S12.123	S12.123	S12.1
Referee Rating		S12.123	S12.123	S12.1
Average		S12.123	S12.123	S12.1
Acceptance Limits				
Minimum		S12.123	S12.123	S12.1
Maximum		S12.123	S12.123	S12.1
Mean		S12.123	S12.123	S12.1

Non-Reference Oil Test

Test Lab	Test Stand No.	Test Stand Run No.	Engine Block No.	Engine Block Run No.
CC	CCCCC	CCCC	CCCCCC	CCCC
Lab Oil Code	**SAE Viscosity**	**Test Length**	**Date Started**	**EOT Time**
CCCCCCCCCCCCCCCCCCCC	CCCCCCC	S1234	YYYYMMDD	HH:MM

Date Test Comp.	Oil Code No.
YYYYMMDD	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

Formulation/Stand Coke
CC-CCCCCCCCCC-C-C-CCCCCC-CC-CC-CCCCC

	Fire Ring Distress (Demerits)	2nd & 3rd Avg. Face Distress (Demerits)	Avg. Liner Scuffing (% Area)
Lab Rating	S12.123	S12.123	S12.1
Referee Rating	S12.123	S12.123	S12.1
Average	S12.123	S12.123	S12.1
Correction Factors	S12.123	S12.123	S12.1
Final Results	S12.123	S12.123	S12.1

Test Method D5862
(6V92TA)
Form 2
Calibration Test Result Summary

Lab CC	Stand [A] CCCCC	Stand Run No. [A] CCCC
Engine [A] CCCCCC		Engine Run No. CCCC
CMIR CCCCCC		TMC Oil No. CCCCCC
Fuel Supplier CCCCCCCCCCCCCCCC		
Start Date YYYYMMDD	End Date YYYYMMDD	Report Date YYYYMMDD

Parameter	Value
Average Fire Ring Face Distress, Demerits [B]	S12.123
Number of Broken Rings	S123
Average 2nd & 3rd Ring Face Distress, Demerits [B]	S12.123
Average Liner Scuffing, % Area [B]	S12.1
Maximum Liner Port Plugging, % Area	S12.1
Average Liner Port Plugging, % Area	S12.1
Maximum Piston Skirt Tin Removed, % Area	S12.1
Average Piston Skirt Tin Removed, % Area	S12.1
Oil Iron Content at 96 Test Hours, ppm	AAAAAA
Average Oil Consumption, g/h	S123

[A] Test Number is: Stand – Stand Run No. – Engine Run No.
[B] Average of Lab & Referee Rating

Test Method D5862
(6V92TA)
Form 3
Non-Reference Test Result Summary

Lab CC	Stand [A] CCCCC	Stand Run No. [A] CCCC
Engine [A] CCCCCC	Engine Run No. [A] CCCC	
Formulation/Stand Code: CC-CCCCCCCCCC-C-C-CCCCCC-CC-CC-CCCCC		
Oil Code CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Fuel Supplier CCCCCCCCCCCCCCCC	
Start Date YYYYMMDD	End Date YYYYMMDD	

Parameter	Value
Average Fire Ring Face Distress, Demerits [B]	S12.123 S12.123
Correction Factor Fire Ring Face Distress, Demerits [B]	S12.123
Final Result Fire Ring Face Distress, Demerits [B]	S12.123
Number of Broken Rings	S123
Average 2nd & 3rd Ring Face Distress, Demerits [B]	S12.123 S12.123
Correction Factor 2nd & 3rd Ring Face Distress, Demerits [B]	S12.123
Final Result 2nd & 3rd Ring Face Distress, Demerits [B]	S12.123
Average Liner Scuffing, % Area [B]	S12.1 S12.1
Correction Factor Liner Scuffing, % Area [B]	S12.1
Final Result Liner Scuffing, % Area [B]	S12.1
Maximum Liner Port Plugging, % Area	S12.1
Average Liner Port Plugging, % Area	S12.1
Maximum Piston Skirt Tin Removed, % Area	S12.1
Average Piston Skirt Tin Removed, % Area	S12.1
Oil Iron Content at 96 Test Hours, ppm	AAAAAA
Average Oil Consumption, g/h	S123

[A] Test Number is: Stand – Stand Run No. – Engine Run No.
[B] Either Test Lab Rating or Average of Lab & Referee Rating (Referee Rating is Optional)

Test Method D5862
(6V92TA)
Form 4
Torque Mode - Operational Summary

Laboratory CC	EOT Date YYYYMMDD YYYYMMDD
Test Number CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Oil Code CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC CCCCCC
Formulation/Stand Code CC-CCCCCCCCCC-C-C-CCCCCC-CC-CC-CCCCC	
Test Mode: Torque	

Test Parameter		Specification	Average	Std. Dev.	Minimum	Maximum
Engine Speed	r/min	1200 ± 10	S12345	S12345	S12345	S12345
Load	N-m	Report Only	S1234	S1234	S1234	S1234
Power	kW	216 – 238	S1234	S1234	S1234	S1234
Fuel Flow	kg/h	52 ± 1.8	S12.1	S12.1	S12.1	S12.1
BSFC	kW-h	Report Only	S12.1	S12.1	S12.1	S12.1
Temperature °C						
Coolant Out	°C	84 ± 2.2	S123.1	S123.1	S123.1	S123.1
Coolant In	°C	Report Only	S123.1	S123.1	S123.1	S123.1
Coolant delta T	°C	6 ± 2.7	S12.1	S12.1	S12.1	S12.1
Oil Gallery	°C	102 ± 1.1	S123.1	S123.1	S123.1	S123.1
Oil Sump	°C	111 - 119	S123.1	S123.1	S123.1	S123.1
Fuel @ Filter	°C	38 ± 2.7	S12.1	S12.1	S12.1	S12.1
Air Inlet	°C	35 ± 2.7	S12.1	S12.1	S12.1	S12.1
Air Box	°C	Report Only	S12.1	S12.1	S12.1	S12.1
Exhaust	°C	Report Only	S123.1	S123.1	S123.1	S123.1
Pressures						
Oil Gallery	kPa	207 - 310	S123.1	S123.1	S123.1	S123.1
Air In. Res.	kPa	Report Only	S12.1	S12.1	S12.1	S12.1
Fuel	kPa	Report Only	S12.1	S12.1	S12.1	S12.1
Air Box	kPa	Report Only	S12.1	S12.1	S12.1	S12.1
Turbo Outlet	kPa	Report Only	S12.1	S12.1	S12.1	S12.1

Test Method D5862
(6V92TA)
Form 5
Power Mode - Operational Summary

Laboratory CC	EOT Date YYYYMMDD YYYYMMDD
Test Number CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Oil Code CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC CCCCCC
Formulation/Stand Code CC-CCCCCCCCCC-C-C-CCCCCC-CC-CC-CCCCC	
Test Mode: Power	

Test Parameter		Specification	Average	Std. Dev.	Minimum	Maximum
Engine Speed	r/min	1200 ± 10	S12345	S12345	S12345	S12345
Load	N-m	Report Only	S1234	S1234	S1234	S1234
Power	kW	216 - 238	S1234	S1234	S1234	S1234
Fuel Flow	kg/h	52 ± 1.8	S12.1	S12.1	S12.1	S12.1
BSFC	kW-h	Report Only	S12.1	S12.1	S12.1	S12.1
Temperature °C						
Coolant Out	°C	84 ± 2.2	S123.1	S123.1	S123.1	S123.1
Coolant In	°C	Report Only	S123.1	S123.1	S123.1	S123.1
Coolant delta T	°C	6 ± 2.7	S12.1	S12.1	S12.1	S12.1
Oil Gallery	°C	102 ± 1.1	S123.1	S123.1	S123.1	S123.1
Oil Sump	°C	111 - 119	S123.1	S123.1	S123.1	S123.1
Fuel @ Filter	°C	38 ± 2.7	S12.1	S12.1	S12.1	S12.1
Air Inlet	°C	35 ± 2.7	S12.1	S12.1	S12.1	S12.1
Air Box	°C	Report Only	S12.1	S12.1	S12.1	S12.1
Exhaust	°C	Report Only	S123.1	S123.1	S123.1	S123.1
Pressures						
Oil Gallery	kPa	207 - 310	S123.1	S123.1	S123.1	S123.1
Air In. Res.	kPa	Report Only	S12.1	S12.1	S12.1	S12.1
Fuel	kPa	Report Only	S12.1	S12.1	S12.1	S12.1
Air Box	kPa	Report Only	S12.1	S12.1	S12.1	S12.1
Turbo Outlet	kPa	Report Only	S12.1	S12.1	S12.1	S12.1

Test Method D5862
(6V92TA)
Form 6
Test Lab Engine Rating Result

Laboratory CC	EOT Date YYYYMMDD YYYYMMDD
Test Number CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Oil Code CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
Formulation/Stand Code CC-CCCCCCCCCC-C-C-CCCCCC-CC-CC-CCCCC	

Cylinder Liners

Scuffing, % Area	1L	2L	3L	1R	2R	3R	Average
Thrust	S1234	S1234	S1234	S1234	S1234	S1234	S123.1
Anti-Thrust	S1234	S1234	S1234	S1234	S1234	S1234	S123.1
Total	S1234	S1234	S1234	S1234	S1234	S1234	S12.1 S12.1
% Liner Port Plugging	S12.1	S12.1	S12.1	S12.1	S12.1	S12.1	S12.1 S12.1

Piston Rings

Face Distress Demerits	1L	2L	3L	1R	2R	3R	Average
Fire Ring	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123 S12.123
2nd Ring	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123
3rd Ring	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123
Average 2nd & 3rd	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123 S12.123

Piston Skirt

% Area Plate Removal	1L	2L	3L	1R	2R	3R	Average
Value	S1234	S1234	S1234	S1234	S1234	S1234	S12.1 S12.1

Test Method D5862
(6V92TA)
Form 7
Referee Lab Engine Rating Result
(Required for reference test; Optional for non-reference test)

Laboratory CC	EOT Date YYYYMMDD YYYYMMDD	
Test Number: CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Oil Code CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC CCCCCC	
Formulation/Stand Code CC-CCCCCCCCCC-C-C-CCCCCC-CC-CC-CCCCC		
Referee Lab CC	Referee Initials CCC	Referee Rating Date YYYYMMDD

Cylinder Liners

Scuffing, % Area	1L	2L	3L	1R	2R	3R	Average
Thrust	S1234	S1234	S1234	S1234	S1234	S1234	S123.1
Anti-Thrust	S1234	S1234	S1234	S1234	S1234	S1234	S123.1
Total	S1234	S1234	S1234	S1234	S1234	S1234	S12.1 S12.1

Piston Rings

Face Distress Demerits	1L	2L	3L	1R	2R	3R	Average
Fire Ring	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123 S12.123
2nd Ring	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123
3rd Ring	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123
Average 2nd & 3rd	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123 S12.123

Test Method D5862
(6V92TA)
Form 8
Parts Measurement Summary

Laboratory CC	EOT Date YYYYMMDD YYYYMMDD
Test Number CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Oil Code CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC CCCCCC
Formulation/Stand Code CC-CCCCCCCCCC-C-C-CCCCCC-CC-CC-CCCCC	

Weight Loss Summary

Piston Ring	1L	2L	3L	1R	2R	3R	Average
Fire Ring, g	AAAAAAA	AAAAAAAA	AAAAAAAA	AAAAAAAA	AAAAAAAA	AAAAAAAA	AAAAAAAA
2nd Ring, g	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234
3rd Ring, g	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234
Slipper Bushing, g	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234

Wear Summary

Piston Ring Radial Wear Thickness	1L	2L	3L	1R	2R	3R	Average
Fire Ring, mm	AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA
2nd Ring, mm	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123
3rd Ring, mm	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123
Injector Rocker Arm Bushing Wear ID, mm	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123

End Gap Increase

Piston Ring	1L	2L	3L	1R	2R	3R	Average
Fire Ring, mm	AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA
2nd Ring, mm	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123
3rd Ring, mm	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123
Top Ring Upper Groove, mm	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123
Bottom Ring Upper Groove, mm	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123
Top Ring Lower Groove, mm	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123
Bottom Ring Lower Groove, mm	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123

Test Method D5862
(6V92TA)
Form 9
Oil Analysis Summary

Laboratory CC	EOT Date YYYYMMDD YYYYMMDD
Test Number CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Oil Code CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC CCCCCC
Formulation/Stand Code CC-CCCCCCCCCC-C-C-CCCCCC-CC-CC-CCCCC	

Hours	Viscosity @ 40°C (cSt)	Viscosity @ 100°C (cSt)	TBN D4739	Viscosity HT/HS @ 150°C (cP)	Volatility % @ 371°C
New	S123.12	S123.12	S12.12	S12.12	S123.1
Break-in	S123.12	S123.12	S12.12		
16	S123.12	S123.12	S12.12		
48	S123.12	S123.12	S12.12		
80	S123.12	S123.12	S12.12		
96	S123.12	S123.12	S12.12		S123.1

PPM	NEW	Break-in	Hour 16	Hour 32	Hour 48	Hour 64	Hour 80	Hour 96
Fe	AAAAAA	AAAAAA	AAAAAA	AAAAAA	AAAAAA	AAAAAA	AAAAAA	AAAAAA AAAAAA
Sn	AAAAAA	AAAAAA	AAAAAA	AAAAAA	AAAAAA	AAAAAA	AAAAAA	AAAAAA
Pb	AAAAAA	AAAAAA	AAAAAA	AAAAAA	AAAAAA	AAAAAA	AAAAAA	AAAAAA
Cu	AAAAAA	AAAAAA	AAAAAA	AAAAAA	AAAAAA	AAAAAA	AAAAAA	AAAAAA
Cr	AAAAAA	AAAAAA	AAAAAA	AAAAAA	AAAAAA	AAAAAA	AAAAAA	AAAAAA
Al	AAAAAA	AAAAAA	AAAAAA	AAAAAA	AAAAAA	AAAAAA	AAAAAA	AAAAAA
Si	AAAAAA	AAAAAA	AAAAAA	AAAAAA	AAAAAA	AAAAAA	AAAAAA	AAAAAA
Ca	AAAAAA	AAAAAA	AAAAAA		AAAAAA		AAAAAA	AAAAAA
Mg	AAAAAA	AAAAAA	AAAAAA		AAAAAA		AAAAAA	AAAAAA
Zn	AAAAAA	AAAAAA	AAAAAA		AAAAAA		AAAAAA	AAAAAA
P	AAAAAA	AAAAAA	AAAAAA		AAAAAA		AAAAAA	AAAAAA
Mo	AAAAAA	AAAAAA	AAAAAA		AAAAAA		AAAAAA	AAAAAA
B	AAAAAA	AAAAAA	AAAAAA		AAAAAA		AAAAAA	AAAAAA
Na	AAAAAA	AAAAAA	AAAAAA		AAAAAA		AAAAAA	AAAAAA
S	AAAAAA	AAAAAA	AAAAAA		AAAAAA		AAAAAA	AAAAAA

Test Method D5862
(6V92TA)
Form 10
Pre-Test Parts Measurement

Laboratory CC	EOT Date YYYYMMDD YYYYMMDD
Test Number CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Oil Code CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC CCCCCC
Formulation/Stand Code CC-CCCCCCCCCC-C-C-CCCCCC-CC-CC-CCCCC	

Component Weight

Piston Rings	1L	2L	3L	1R	2R	3R	Average
Fire Ring, g	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234
2nd Ring, g	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234
3rd Ring, g	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234
Slipper Bushing, g	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234

Radial Thickness

Piston Rings	1L	2L	3L	1R	2R	3R	Average
Fire Ring, mm	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123
2nd Ring, mm	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123
3rd Ring, mm	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123

End Gap @ 122.936 mm gage

Piston Rings	1L	2L	3L	1R	2R	3R	Average	Spec
Fire Ring, mm	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	1.016 ± 0.127 mm
2nd Ring, mm	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	1.016 ± 0.127 mm
3rd Ring, mm	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	1.016 ± 0.127 mm
Top Ring Upper Groove, mm	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	0.406 ± 0.025 mm
Bottom Ring Upper Groove, mm	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	0.406 ± 0.025 mm
Top Ring Lower Groove, mm	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	0.584 ± 0.051 mm
Bottom Ring Lower Groove, mm	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	0.584 ± 0.051 mm

Test Method D5862
(6V92TA)
Form 11
Pre-Test Parts Measurement

Laboratory CC	EOT Date YYYYMMDD YYYYMMDD
Test Number CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Oil Code CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC CCCCCC
Formulation/Stand Code CC-CCCCCCCCCC-C-C-CCCCCC-CC-CC-CCCCC	
Measurement Performed: Pre Test	

Cylinder Liner

Parameter	1L	2L	3L	1R	2R	3R	Average	Spec
Average Diameter, [A] mm	S123.123	S123.123	S123.123	S123.123	S123.123	S123.12	S123.123	122.911-122.974
Surf. Finish, Ra µm	S12.12	S12.12	S12.12	S12.12	S12.12	S12.12	S12.12	1.1 - 1.7 µm

Piston Skirt

Parameter	1L	2L	3L	1R	2R	3R	Average	Spec
Average Diameter, mm	S123.123	S123.123	S123.123	S123.123	S123.123	S123.12	S123.123	122.667 – 122.733

Clearance, Liner to Piston

Parameter	1L	2L	3L	1R	2R	3R	Average	Spec
Clearance, mm	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	0.178 - 0.305

Injector Rocker Arm Bushing

Parameter	1L	2L	3L	1R	2R	3R	Average
Inside Diameter, mm	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123

[A] Average of the 8 measurements per test procedure

Test Method D5862
(6V92TA)
Form 12
Post-Test Parts Measurement

Laboratory CC	EOT Date YYYYMMDD YYYYMMDD
Test Number CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Oil Code CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC CCCCCC
Formulation/Stand Code CC-CCCCCCCCCC-C-C-CCCCCC-CC-CC-CCCCC	
Measurement Performed: Post Test	

Component Weight

Piston Rings	1L	2L	3L	1R	2R	3R	Average
Fire Ring, g	AAAAAAAA	AAAAAAAA	AAAAAAAA	AAAAAAAA	AAAAAAAA	AAAAAAAA	AAAAAAAA
2nd Ring, g	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234
3rd Ring, g	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234
Slipper Bushing, g	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234	S12.1234

Radial Thickness

Piston Rings	1L	2L	3L	1R	2R	3R	Average
Fire Ring, mm	AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA
2nd Ring, mm	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123
3rd Ring, mm	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123

End Gap @ 122.936 mm gage

Piston Rings	1L	2L	3L	1R	2R	3R	Average	Spec
Fire Ring, mm	AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA	AAAAAAA	1.016 ± 0.127 mm
2nd Ring, mm	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	1.016 ± 0.127 mm
3rd Ring, mm	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	1.016 ± 0.127 mm
Top Ring Upper Groove, mm	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	0.406 ± 0.025 mm
Bottom Ring Upper Groove, mm	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	0.406 ± 0.025 mm
Top Ring Lower Groove, mm	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	0.584 ± 0.051 mm
Bottom Ring Lower Groove, mm	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	0.584 ± 0.051 mm

Test Method D5862
(6V92TA)
Form 13
Post-Test Parts Measurement

Laboratory CC	EOT Date YYYYMMDD YYYYMMDD
Test Number CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Oil Code CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC CCCCCC
Formulation/Stand Code CC-CCCCCCCCCC-C-C-CCCCCC-CC-CC-CCCCC	
Measurement Performed: Post Test	

Injector Rocker Arm Bushing

Parameter	1L	2L	3L	1R	2R	3R	Average
Inside Dia., mm	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123	S12.123

Test Method D5862
(6V92TA)
Form 14
Heat Soak Summary

Laboratory CC	EOT Date YYYYMMDD YYYYMMDD
Test Number CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Oil Code CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC CCCCCC
Formulation/Stand Code CC-CCCCCCCCCC-C-C-CCCCCC-CC-CC-CCCCC	

Number of Soak Occurrences			S1	
Test Hours	Date	Soak Time	Description	
HH:MM	YYYYMMDD	HH:MM	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	
HH:MM	YYYYMMDD	HH:MM	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	
HH:MM	YYYYMMDD	HH:MM	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	
HH:MM	YYYYMMDD	HH:MM	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	
HH:MM	YYYYMMDD	HH:MM	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	
HH:MM	YYYYMMDD	HH:MM	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	
		HHH:MM	**Total Heat Soak Time**	

Test Method D5862
(6V92TA)
Form 15
Downtime Comments And Summary

Laboratory CC	EOT Date YYYYMMDD YYYYMMDD
Test Number CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Oil Code CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC CCCCCC
Formulation/Stand Code CC-CCCCCCCCCC-C-C-CCCCCC-CC-CC-CCCCC	

Number of Downtime Occurrences		S1	
Test Hours	Date	Downtime	Reasons
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
		HHH:MM	**Total Downtime**

Other Comments		
Number of Comment Lines	S1	
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC		
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Test Method D5862
(6V92TA)
Form 15A
Downtime Comments And Summary

Laboratory CC	EOT Date YYYYMMDD YYYYMMDD
Test Number CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Oil Code CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC CCCCCC
Formulation/Stand Code CC-CCCCCCCCCC-C-C-CCCCCC-CC-CC-CCCCC	

Number of Downtime Occurrences		S1	
Test Hours	Date	Downtime	Reasons
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
		HHH:MM	**Total Downtime**

Other Comments		
Number of Comment Lines	S1	
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC		
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Test Method D5862
(6V92TA)
Form 15B
Downtime Comments And Summary

Laboratory CC	EOT Date YYYYMMDD YYYYMMDD
Test Number CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Oil Code CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC CCCCCC
Formulation/Stand Code CC-CCCCCCCCCC-C-C-CCCCCC-CC-CC-CCCCC	

Number of Downtime Occurrences		S1	
Test Hours	Date	Downtime	Reasons
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCC	CCCCCCCC	CCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
		HHH:MM	**Total Downtime**

Other Comments		
Number of Comment Lines	S1	
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC		
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Test Method D5862
(6V92TA)
Form 16
Air Box Inspection Summary

Laboratory CC	EOT Date YYYYMMDD YYYYMMDD
Test Number CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Oil Code CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC CCCCCC
Formulation/Stand Code CC-CCCCCCCCCC-C-C-CCCCCC-CC-CC-CCCCC	

% Area Cylinder Liner Scuffing

Number of Inspections (Excluding Breakin Inspection) S1

Hours	Date	1L	2L	3L	1R	2R	3R	Average
Breakin	YYYYMMDD	S1234	S1234	S1234	S1234	S1234	S1234	S1234
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC

Test Hours	Reason For Airbox Inspection
Breakin	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
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CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

Test Method D5862
(6V92TA)
Form 16A
Air Box Inspection Summary

Laboratory CC	EOT Date YYYYMMDD YYYYMMDD
Test Number CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Oil Code CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC CCCCCC
Formulation/Stand Code CC-CCCCCCCCCC-C-C-CCCCCC-CC-CC-CCCCC	

% Area Cylinder Liner Scuffing

Number of Inspections (Excluding Breakin Inspection) S1

Hours	Date	1L	2L	3L	1R	2R	3R	Average
Breakin	YYYYMMDD	S1234	S1234	S1234	S1234	S1234	S1234	S1234
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC

Test Hours	Reason For Airbox Inspection
Breakin	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

Test Method D5862
(6V92TA)
Form 16B
Air Box Inspection Summary

Laboratory CC	EOT Date YYYYMMDD YYYYMMDD
Test Number CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Oil Code CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC CCCCCC
Formulation/Stand Code CC-CCCCCCCCCC-C-C-CCCCCC-CC-CC-CCCCC	

% Area Cylinder Liner Scuffing

Number of Inspections (Excluding Breakin Inspection) S1

Hours	Date	1L	2L	3L	1R	2R	3R	Average
Breakin	YYYYMMDD	S1234	S1234	S1234	S1234	S1234	S1234	S1234
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC
CCCCC	CCCCCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC	CCCCC

Test Hours	Reason For Airbox Inspection
Breakin	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

Test Method D5862
(6V92TA)
Form 17
Test Fuel Analysis

Laboratory CC	EOT Date YYYYMMDD YYYYMMDD
Test Number CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Oil Code CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC CCCCCC
Formulation/Stand Code CC-CCCCCCCCCC-C-C-CCCCCC-CC-CC-CCCCC	

Measurement	Specs.	Analysis	Test Method
API Gravity @ 15.6°C	33 Typical	S123	D 287
Cetane No.	40 Minimum	S123	D 613
Distillation, °C			
IBP	160°C-204°C	S1234	D 86
50%	246°C-288°C	S1234	D 86
90%	288°C-327°C	S1234	D 86
Kinematic Viscosity	1.9 cSt-4.0 cSt	S12.1	D 445
Total Sulfur, % Weight	0.10%-0.40%	S12.12	D 2622
Flash Point	54°C Minimum	S1234	D 92
Ash, % Weight	0.01% Maximum	S12.123	D 482
Water & Solids, % Weight	0.05% Maximum	AAAAAAA	D 2709
Gross Heat of Combustion	45.2 MJ/kg Minimum	S123.1	D 240

Test Method D5862
(6V92TA)
Form 18
Characteristics Of The Data Acquisition System

Laboratory CC	EOT Date YYYYMMDD YYYYMMDD
Test Number CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Oil Code CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC CCCCCC
Formulation/Stand Code CC-CCCCCCCCCC-C-C-CCCCCC-CC-CC-CCCCC	

Parameter (1)	Sensing Device (2)	Calibration Frequency (3)	Record Device (4)	Observation Frequency (5)	Record Frequency (6)	Log Frequency (7)	System Response (8)
Temperatures							
Oil Gall.	CCCCCCCCCC	CCCCCCCCCC	CCC	CCCCCCCCCC	CCCCCCCCCC	CCCCCCCCC	CCCCCCCC
Oil Sump	CCCCCCCCCC	CCCCCCCCCC	CCC	CCCCCCCCCC	CCCCCCCCCC	CCCCCCCCC	CCCCCCCC
Fuel	CCCCCCCCCC	CCCCCCCCCC	CCC	CCCCCCCCCC	CCCCCCCCCC	CCCCCCCCC	CCCCCCCC
Cool In	CCCCCCCCCC	CCCCCCCCCC	CCC	CCCCCCCCCC	CCCCCCCCCC	CCCCCCCCC	CCCCCCCC
Cool Out	CCCCCCCCCC	CCCCCCCCCC	CCC	CCCCCCCCCC	CCCCCCCCCC	CCCCCCCCC	CCCCCCCC
Air Inlet	CCCCCCCCCC	CCCCCCCCCC	CCC	CCCCCCCCCC	CCCCCCCCCC	CCCCCCCCC	CCCCCCCC
Other							
Fuel Flow	CCCCCCCCCC	CCCCCCCCCC	CCC	CCCCCCCCCC	CCCCCCCCCC	CCCCCCCCC	CCCCCCCC
Engine Speed	CCCCCCCCCC	CCCCCCCCCC	CCC	CCCCCCCCCC	CCCCCCCCCC	CCCCCCCCC	CCCCCCCC
Load	CCCCCCCCCC	CCCCCCCCCC	CCC	CCCCCCCCCC	CCCCCCCCCC	CCCCCCCCC	CCCCCCCC
Inlet Restr.	CCCCCCCCCC	CCCCCCCCCC	CCC	CCCCCCCCCC	CCCCCCCCCC	CCCCCCCCC	CCCCCCCC
Exh Press	CCCCCCCCCC	CCCCCCCCCC	CCC	CCCCCCCCCC	CCCCCCCCCC	CCCCCCCCC	CCCCCCCC
Oil Gal Pres.	CCCCCCCCCC	CCCCCCCCCC	CCC	CCCCCCCCCC	CCCCCCCCCC	CCCCCCCCC	CCCCCCCC

Legend:
(1) Operating Parameter
(2) The Type Of Device Used To Measure Temperature, Pressure or Flow.
(3) Frequency At Which The Measurement System Is Calibrated.
(4) The Type of Device Where Data Is Recorded
LG – Handlog Sheet
DL – Automatic Data Logger
SC – Strip Chart Recorder
C/M – Computer, Using Manual Data Entry
C/D – Computer, Using Direct I/O Entry
(5) Data Is Observed But Recorded Only If Off Spec.
(6) Data Is Recorded But Are Not Retained At EOT
(7) Data Is Logged As Permanent Record, Note Specify If:
SS – Snapshot Taken At Specified Frequency
AG/X Average Of X Data Points At Specified Frequency
(8) Time For The Output To Reach 63.2% Of Final Value For Step Change At Input

Test Method D5862
(6V92TA)
Form 19
Origin Of Critical Engine Parts

Laboratory CC	EOT Date YYYYMMDD YYYYMMDD
Test Number CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Oil Code CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC CCCCCC
Formulation/Stand Code CC-CCCCCCCCCC-C-C-CCCCCC-CC-CC-CCCCC	

Part Name		**Part Origin** [A]	
Cylinder Liner		CCCCCCCCCC	
Piston Dome		CCCCCCCCCC	
Piston Skirt		CCCCCCCCCC	
Slipper Bushings	#/Position	Left	Right
	1	CCCCCCCCCC	CCCCCCCCCC
	2	CCCCCCCCCC	CCCCCCCCCC
	3	CCCCCCCCCC	CCCCCCCCCC
Oil Control Ring Upper Groove		CCCCCCCCCC	
Oil Control Ring Lower Groove		CCCCCCCCCC	
Oil Ring Expander		CCCCCCCCCC	
Fire Ring		CCCCCCCCCC	
Compression Rings		CCCCCCCCCC	

[A] Part Origin Value are: Testkit, Production, or Mixed

Test Method D5862
(6V92TA)
Form 20
Outlier Information

Laboratory CC	EOT Date YYYYMMDD YYYYMMDD
Test Number CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Oil Code CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC CCCCCC
Formulation/Stand Code CC-CCCCCCCCCC-C-C-CCCCCC-CC-CC-CCCCC	

COUNTER = S12

Parameter	Value	Test Time
CCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC

Test Method D5862
(6V92TA)
Form 20A
Outlier Information

Laboratory CC	EOT Date YYYYMMDD YYYYMMDD
Test Number CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Oil Code CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
Formulation/Stand Code CC-CCCCCCCCCC-C-C-CCCCCC-CC-CC-CCCCC	

COUNTER = S12

Parameter	Value	Test Time
CCCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC

Test Method D5862
(6V92TA)
Form 20B
Outlier Information

Laboratory CC	EOT Date YYYYMMDD YYYYMMDD
Test Number CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Oil Code CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC CCCCCC
Formulation/Stand Code CC-CCCCCCCCCC-C-C-CCCCCC-CC-CC-CCCCC	

COUNTER = S12

Parameter	Value	Test Time
CCCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
CCCCCCCCCCCCCCCCCCCCC	CCCCCCC	CCCCCC
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Test Method D5862
(6V92TA)
Form 21
American Chemistry Council Code of Practice
Test Laboratory Conformance Statement

Test Laboratory	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC				
Test Sponsor	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC				
Formulation / Stand Code	CC-CCCCCCCCCC-C-C-CCCCCC-CC-CC-CCCCC				
Test Number	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC				
Start Date	YYYYMMDD	Start Time	HH:MM	Time Zone	CCC

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 ___C___ No___C___ *

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 ___C___ No___C___*

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 ___C___* No___C___

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 ___C___* No___C___
(This currently applies only to specific deviations identified in the ASTM Information Letter System)

Check The Appropriate Conclusion

C	Operational review of this test indicates that the results should be included in the Multiple Test Acceptance Criteria calculations.
C	*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
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Signature Image
Signature

YYYYMMDD
Date

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Typed Name

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Title