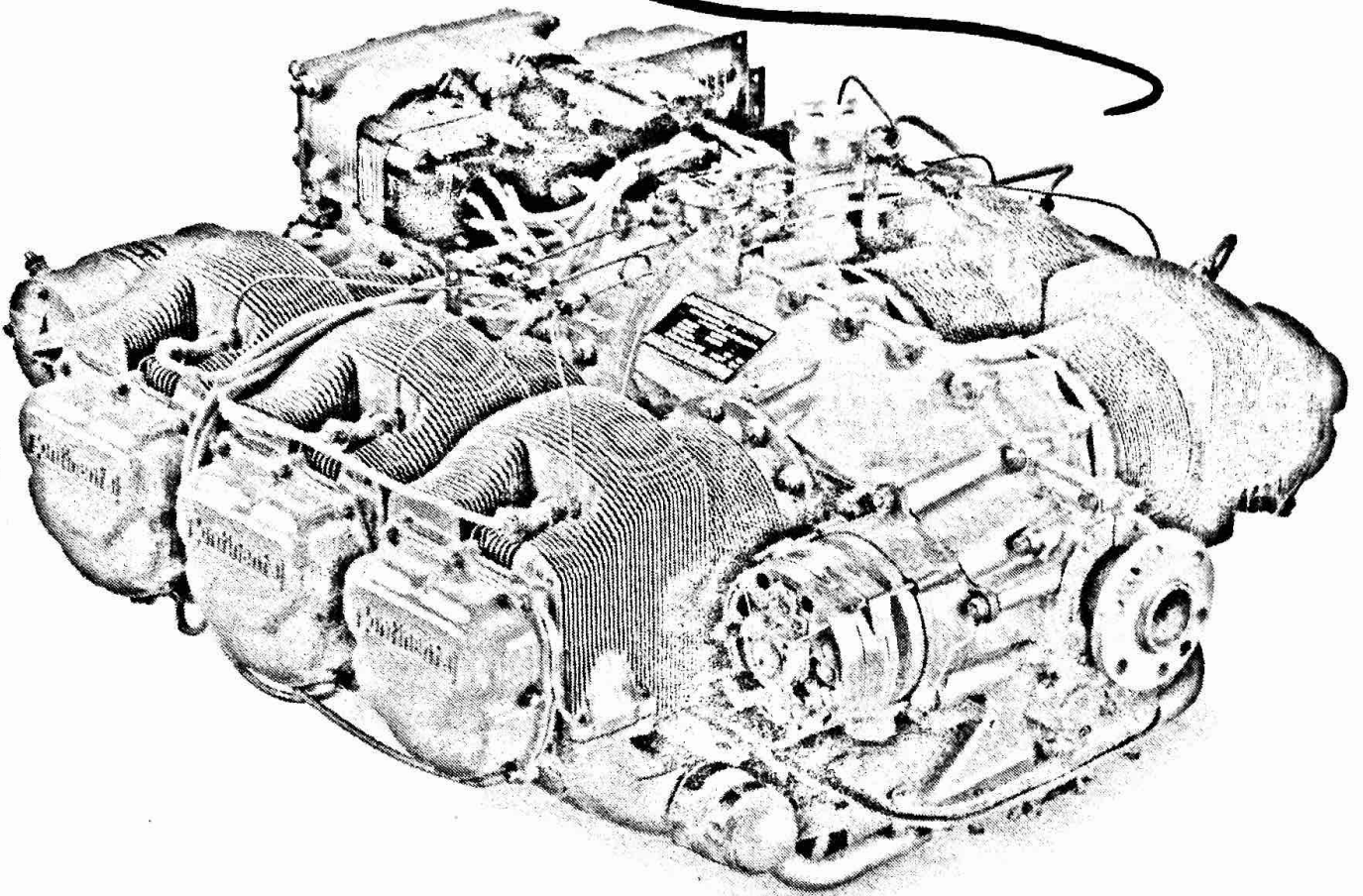


N16408

ENGINE LOG BOOK

Closed



Teledyne Continental Motors, Inc.

... for order form or call 334-438-3411,
publications department, for information.

Engine Returns

All returned engines are to be shipped with this log book
Directly to:

Teledyne Continental Motors
Abbeville Industrial Park
Suite 159
Abbeville, AL 36310

USE ONLY FUEL CONFORMING TO ASTM D910
USE OF AUTOMOTIVE GAS IS NOT APPROVED.



Teledyne Continental Motors, Inc.

A Teledyne Technologies Company

Printed: 04/28/2003

This engine model 10550N7, Serial No. 687494 was manufactured on 04/27/2003
by Teledyne Continental Motors in accordance with approved design data and the applicable requirements
of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all
changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.

TELEDYNE CONTINENTAL MOTORS

A TELEDYNE TECHNOLOGIES COMPANY

PRODUCTION CERTIFICATE NO. 508

Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.
5-13-03	0			

Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Serviced Engine with 8 Qts of Phillips 20 **WFOG** Straight Mineral Oil on 5/13/03 by **94**



LOG BOOK ENTRY
 DATE: 6/19/2003
 MAKE: CIRRUS TOTAL TIME: 50.7 N#: N1640C
 MODEL: SR22 HOBBS TIME: 50.7 S/N: 0579

Completed engine oil and filter change. Serviced system with 8 quarts of Aeroshell 15W50, and Champion filter CH48108. Inspected filter as required. Ground run performed. No defects noted. Work done IAW Cirrus SR-22 AMM 12-20.

The work identified above was performed in accordance with the current Federal Aviation Regulation and was found to be airworthy for return to service. Pertinent details are on file at this agency under,

W/O#: **061903-05** SIGNED

Cirrus Design Factory Service Center, CRS# YD5R855Y, 4515 Taylor Circle, Duluth, MN 55811



LOG BOOK ENTRY

DATE: 07/11/03

MAKE: CIRRUS TOTAL TIME: 112.3

N#: N1640C

MODEL: SR22 HOBBS TIME: 112.3

S/N: 0579

Changed engine oil and filter p/n 50857-001, serviced with 8 quarts of Aeroshell 15W50 engine oil. Inspected old filter and drain plug for abnormalities, none found. Performed engine run for op's and leak checks, op's and leak checks good at this time I.A.W. Cirrus SR22 A.M.M. 12-20.

The work identified above was performed in accordance with the current Federal Aviation Regulation and was found to be airworthy for return to service. Pertinent details are on file at this agency under,

W/O#: 071103-03

SIGNED Joel J. Juhl

Cirrus Design Factory Service Center, CRS# YD5R855Y, 4515 Taylor Circle, Duluth, MN 55811



LOG BOOK ENTRY

DATE: 7/22/03

MAKE: CIRRUS TOTAL TIME: 158.6 N#: N1640C

MODEL: SR22 HOBBS TIME: 158.6 S/N: 0579

1. Performed oil & filter change. Serviced with Aeroshell 15W50 & Champion filter CH48108. Inspected filter and drain plug for contaminants - none found. Run-up / leak check good.
2. Pilot reported erratic left fuel gage. Tightened backshell on P633 connector. Ops check good.
3. Replaced alternate air tube mounting bracket pn: 15196-001. Replaced missing hardware on induction tube forward mounting adel clamp.

The work identified above was performed in accordance with the current Federal Aviation Regulation and was found to be airworthy for return to service. Pertinent details are on file at this agency under,

W/O#: 072203-01

SIGNED Bradley Miller

Cirrus Design Factory Service Center, CRS# YD5R855Y, 4515 Taylor Circle, Duluth, MN 55811

Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
Hrs.	Min.	Hrs.	Min.	

ENGINE MODEL:
 ENGINE S/N:
 REG NO. 1640C
 WORK ORDER: 553-11-2003



Cirrus Design Factory Service Center

4515 Taylor Circle
 Duluth, MN 55811

Repair Station No. YD5R855Y

DATE: 11/22/2003
 TTA
 TTE
 HOBBS: 403.4

Engine Entries

Changed engine oil and filter (p/n 50857-001) serviced engine with 8 quarts of Aeroshell 15W50 engine oil. Cut apart old filter and inspected filter and drain plug for abnormalities, none found. Ran engine to perform operational and leak check, op's and leak checks good at this time. All work was accomplished I.A.W. Cirrus SR22 A.M.M. 12-20.....

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 11/22/2003

SIGNED: *Dave Ruuskanen*

WORK ORDER: 553-11-2003

Dave Ruuskanen
 Certified Repair Station No. YD5R855Y

Printed by EBis (<http://www.datcomedia.com>)

27 Dec 03 N1640C Cont. IO550N7
S/N 687494

Hobbs: 455.0

Engine oil drained, filter removed, cut
openchecked for metal none found, new
filter Ch48108 installed, engine serviced
with 8 qts aeroshell 15W50, wngine
washed ground run, systems normal this
date


James T. Capps A&P422584171

JetSouth Corporation
4243 East Lake Blvd
Birmingham, AL 35217
CRS JOUR017X

REG: N1640C
MD: Cirrus SR 22
S/N: 0579

FHM/Tach: 562.9
Eng TT: 562.9

DATE: 06/21/04

I certify that this engine has been inspected in accordance with an Annual inspection. All work accomplished is on file under service order no. 10-M4180, 10-M4184, & 10-M4206 at JetSouth Corporation. This inspection was accomplished I/A/W a Cirrus SR 22 Scheduled inspection guide P/N 13773-001 as an aid. All AD's were checked thru Bi-weekly 2004-12. This aircraft was determined to be satisfactory for return to service with respect to the work performed.

1. Completed 300 hr. fuel nozzle inspection and found serviceable.
2. Completed TCM Top Care P4rogram in accordance with TCM SID 97-2B.
3. Completed TCM SID 97-3B - fuel flow check and found high pressures below correct limits. Adjusted High pressure flow to correct limits.

----- CONTINUED -----

1

JetSouth Corporation
4243 East Lake Blvd
Birmingham, AL 35217
CRS JOUR017X

4. Completed a compression check as follows: # 1 - 75/80, # 2 - 77/80, # 3 - 78/80, # 4 - 77/80, # 5 - 76/80, # 6 - 79/80. Orifice reading: 35.
5. Installed (12 each) new spark plugs (p/n RHB32E). A post run-up was satisfactory.
6. Removed oil cooler (s/n C03-2147-147) and installed new cooler (p/n 654585 s/n E04-2147-1061). A post run-up was satisfactory with no leaks noted.
7. Completed 500 hr internal magneto inspection by removal of left (s/n D03CA192) and right (s/n D03CA191) magneto (p/n 10-500556-1). Installed rebuilt left (s/n D04EA180R) and right (s/n D04EA183R) magneto assembly. (p/n BL-500556-1) rebuilt by TCM CRS# PQ1269CE WO# P60556. Timed to engine. A post run-up was satisfactory with no leaks noted.
8. Complied with AD 96-12-07 - 500 hr. inspection of magneto impulse couplings by installation of rebuilt magneto assemblies. Next due: 1062.9 hrs. TTAF.

----- CONTINUED -----

Brought Forward →

Modifications and Service Bulletins

JetSouth Corporation
4243 East Lake Blvd
Birmingham, AL 35217
CRS J0UR017X

- 9. A post run-up was satisfactory with no leaks noted. All work in accordance with Cirrus SR 22 Maintenance Manual (p/n 13773-001).

Signature: *James T. Capps*

Date: 06/21/04

28 Aug 04 N1640C; Cont: IO550N7; SIN: 687494; Hobbs: 611.9

Engine oil drained, Engine oil analysis sample taken & mailed to lab, filter removed, cut open, ck for metal, none found; new filter CH48108 installed; engine serviced with 8qts aeroshell 15W50; engine washed, ground run, systems normal this date.-----END-----

James T. Capps
James T. Capps A&P422584171

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					

24 Oct 04 N1640C; Cont: IO550N7; SIN: 687494; Hobbs: 652.9

Engine oil drained, Engine oil analysis sample taken & mailed to lab, filter removed, cut open, ck for metal, none found; new filter CH48108 installed; engine serviced with 8qts aeroshell 15W50; engine washed, ground run, systems normal this date.-----END-----

James T. Capps
James T. Capps A&P422584171

04 Jan 05 N1640C; Cont: IO550N7; SIN: 687494; Hobbs: 709.4

Engine oil drained, Engine oil analysis sample taken & mailed to lab, filter removed, cut open, ck for metal, none found; new filter CH48108-1 installed; engine serviced with 8qts aeroshell 15W50; engine washed, ground run, systems normal this date.-----END-----

James T. Capps
James T. Capps A&P422584171

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

Brought Forward →

18 MAR 2005 Hobbs 736.7 TSN 736.7 REMOVED STARTER ADAPTER P/N 642083A12; S/N UNKNOWN. INSTALLED NEW STARTER ADAPTER, P/N 64208312; S/N 6135 WITH NEW GASKET P/N 653470. TORQUED PER TCM M.M. REINSTALLED STARTER WITH NEW O-RING, P/N MS9021-03B. TORQUED PER TCM M.M. LEAK AND OPS CHECK C/W. NO DEFECTS NOTED. - END -

The aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service.

"Pertinent details of the repair are on file at this repair station under Order No. 14559 Date 18 MAR 2005"

Signed *[Signature]* for (signature of authorized representative)

Montgomery Aviation Corporation #EA4RI47IV
P. O. Box 92, Montgomery, Alabama. certificate no.

19 May 05 N1640C; Cont: IO550N7; SIN: 687494; Hobbs: 7638; TTSN: 763.8
 Engine oil drained, Engine oil analysis sample taken & mailed to lab, filter removed, cut open, ck for metal, none found; new filter CH48108-1 installed; engine serviced with 8qts aeroshell 15W50; engine washed, ground run, systems normal this date. ———— END ————

[Signature]
 James T. Capps A&P422584171

MERCURY AIR CENTER-BHM
ENGINE

RS# Y4MR806Y

REGISTRATION: N1640C
HOBBS/TACH: 784.9
SMOH: _

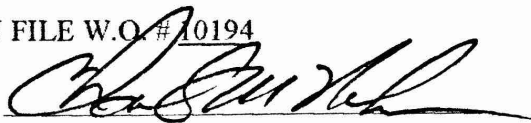
MODEL/SERIAL#: 0579
ENG TOTAL TIME : 784.9

1. Completed an annual inspection IAW the Cirrus inspection guide.
2. Drained oil, inspected and replaced the oil filter. Serviced with 8 qts of Aeroshell 15W50.
3. Compression checked: #1-68/80, #2-66/80, #3-68/80, #4-68/80, #5-70/80, #6-68/80.
4. Retimed both mags.
5. Replaced the #2,4 and 5 ignition terminals.
6. Completed the TCM Top Care Inspection.
7. Installed a new EGT probe in the #1 exhaust.
8. A post inspection run proved satisfactory.

THE A/C COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED I.A.W. CURRENT FAA REGULATIONS AND IS AIRWORTHY WITH RESPECT TO THE WORK PERFORMED.

DETAILS ON FILE W.O. # 10194

SIGNATURE



DATE : 6/17/05

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspection Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				

**01 Oct 05 N1640C; Cont: IO550N7; S/N: 687494;
Hobbs: 845.6; TTSN: 845.6**

Engine oil drained, Engine oil analysis sample taken & mailed to lab, filter removed, cut open, ck for metal, none found; new filter CH48108-1 installed; engine serviced with 8qts aeroshell 15W50; sparkplugs removed & 12 New Champion plugs RHB32E installed; engine washed, ground run, systems normal this date.-----END-----

James T. Capps
James T. Capps A&P422584171

**31 dec 05 N1640C; Cont: IO550N7; S/N: 687494;
Hobbs: 900.0; TTSN: 900.0**

Engine oil drained, Engine oil analysis sample taken & mailed to lab, filter removed, cut open, ck for metal, none found; new filter CH48108-1 installed; engine serviced with 8qts aeroshell 15W50; engine washed, ground run, systems normal this date.-----END-----

James T. Capps
James T. Capps A&P422584171

MONTGOMERY AVIATION REPAIR STATION #EA4R147M

ENGINE

18-May-2006

Hobbs

959.7

WO# 14956

CIRRUS SR22

N 1640C

S/N: 0579

Changed oil and filter. Opened and inspected filter - no metal noted. Installed new ES-48108 filter and 8 qts. Aeroshell 15W50 oil. Reinstalled drain plug with gasket P/N: MS35769-11. Ops and leak check good. Removed /cleaned/gap checked/test fired and reinstalled 12 spark plugs. Ops and mag check good.

The maintenance actions identified above have been inspected and found to be airworthy.

The aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service.

Montgomery Aviation Corporation

O. Box 92, Montgomery, Alabama.

certificate no.

"Pertinent details of the repair are on file at this repair station under Order No. M14596 Date 5/18/06

Signed [Signature] for
(signature of authorized representative)

MONTGOMERY AVIATION REPAIR STATION #EA4R147M

AIRFRAME

18-May-2006

Hobbs

959.7

WO# 14956

CIRRUS SR22

N 1640C

S/N: 0579

Installed new EGT sensor P/N: 14554-001 in #1 cylinder exhaust - Ops check good.

The maintenance actions identified above have been inspected and found to be airworthy.

O. Box 92, Montgomery, Alabama. certificate no.

The aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service.

*Pertinent details of the repair are on file at this repair station under Order No. 14956 Date 5/18/06

Signed [Signature] for
(signature of authorized representative)

Montgomery Aviation Corporation EA4R147M
certificate no.

**MERCURY AIR CENTER-BHM
ENGINE**

RS# Y4MR806Y

REGISTRATION: N1640C
HOBBS/TACH: 971.7
SMOH: -

MODEL/SERIAL#: 0579
ENG TOTAL TIME: 971.7

1. Completed an annual inspection IAW the Cirrus inspection guide.
2. Drained oil, inspected and replaced the oil filter. Serviced with 8 qts of Aeroshell 15W50.
3. Compression checked: #1-64/80, #2-65/80, #3-72/80, #4-70/80, #5-70/80, #6-72/80.
4. Installed a new #5 cyl injector line clamp.
5. Completed the TCM Top Care Inspection.
6. C/W AD 2005-12-06 Completed the 500 hr magneto and impulse coupling inspection.
7. A post inspection run up proved satisfactory.

THE A/C COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED I.A.W. CURRENT FAA REGULATIONS AND IS AIRWORTHY WITH RESPECT TO THE WORK PERFORMED.

DETAILS ON FILE W.O. # 11279

SIGNATURE [Signature]

DATE: 7/1/06

MONTGOMERY AVIATION REPAIR STATION #EA4R147M

ENGINE

23-Oct-06 HOBBS 1023.7 WO# 15102

CIRRUS SR22 N 1640C S/N: 579

Drained oil and removed filter. Opened for inspection - no metal noted. Installed and safetied CH4810-1 filter, added 8 quarts A/S 15/50 oil, cleaned, gapped and tested 12 spark plugs. Installed plugs and performed ops check, leak check - okay.

The maintenance actions identified above have been inspected and found to be airworthy.

The aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service.

*Pertinent details of the repair are on file at this repair station under Order No. 15102 Date 23 OCT 06

Signed [Signature] for (signature of authorized representative)

Montgomery Aviation Corporation

#EA4R147M

certificate no.

MONTGOMERY AVIATION REPAIR STATION #EA4R147M

AIRFRAME, ENGINE, PROPELLER

14-Mar-07 HOBBS 1066.9 WO# M15243

CIRRUS SR22 N 1640C S/N: 579

Drained oil. Removed, cut open, and inspected oil filter - no metal noted. Installed and safetied new oil filter, P/N ES48108. Reinstalled drain plug with new gasket, P/N MS35769-11 and safetied. Serviced with 8 quarts Aeroshell 15W50 oil. Leak and Ops check complied with - no defects noted.

The maintenance actions identified above have been inspected and found to be airworthy.

The aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service.

*Pertinent details of the repair are on file at this repair station under Order No. M15243 Date 3/14/07

Signed [Signature] for

(signature of authorized representative)

Montgomery Aviation Corporation

#EA4R147M

certificate no.

P. O. Box 92, Montgomery, Alabama."

Brought Forward	Hrs.		Min.		Last Overhaul	
	Hrs.	Min.	Hrs.	Min.	Hrs.	Min.
7 AUG 07	1104	0	1066	9	1104	0

Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Drained Oil, R+R Filter P/N CH48108-1. Oil Sample taken. Cut Filter Open, no discrepancies noted at this time. R+R Oil Drain Plug gasket P/N AN900-10. Serviced Engine with 8 Qts Aeroshell 15W-50. Removed, cleaned, gapped and inspected, tested, and reinstalled spark plugs. R+R Induction Air Filter P/N BA-24. Compression check %w.

DIFFERENTIAL COMPRESSION

1 80/ 68 3 80/ 67 5 80/ 68
2 80/ 69 4 80/ 64 6 80/ 69

Removed, cleaned, and reinstalled all 6 fuel nozzles. Removed Alternator P/N 646843, S/N A404094. Installed Overhauled Alternator P/N 646843, S/N 003AA098 From Quality Aircraft Accessories w/o # 52549. Installed Overhauled Alternator Drive Coupling P/N 646655, S/N DRK106029 by Drake Air Inc. w/o # 811614. Removed, cleaned, reinstalled, and crimped connectors on #4 CHT Probe. R+R Heat Exchanger P/N 14837-001. R+R Muffler P/N 14836-001. SID 97-3C %w. All work as per MFR-MM.

HOURS 1104.0 DATE 7AUG07

AT THE TIME OF THIS INSPECTION, I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

Michael W. Hart

Maintenance Release: The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance was Repaired and Inspected in Accordance with Current Regulations of the FAA Administration and is Approved for Return To Service.

Signed: *Michael W. Hart* w/o # 50-07-0373
For Muncie Strip Aviation CRS#DZIR4230

Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.
Brought Forward	HOBBS		TTAF	
20 SEPT 2007	11	12.5	11	12.5
<p>REMOVED AND REPLACED ALTERNATOR #1. REMOVED ALTERNATOR PIN# 646843 SN# A105828, AND INSTALLED "OVERHAUL" ALTERNATOR SN# 646843 SN# 005KA207. RUN-UP LEAK AND OPS CHECK C/W-NO LEAKS NOTED- ALTERNATOR OPERATES NORMALLY THE MAINTENANCE IDENTIFIED HAS BEEN INSPECTED AND FOUND TO BE IN AN AIRWORTHY CONDITION</p>				
<p>The aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service.</p> <p>"Pertinent details of the repair are on file at this repair station under Order No. 75487 Date 29 SEPT 2007</p> <p>Signed: <i>[Signature]</i> for (signature of authorized representative)</p> <p>Montgomery Aviation Corporation certificate no. 66EA2147M P. O. Box 92, Montgomery, Alabama."</p>				
20 DEC 2007	11	33.3		
<p>REMOVED inspected and Replaced oil FILTER. NO METAL NOTED. Installed New E#48108 Filter C/W Compression Check #1 64/80 #2 55/80 #3 65/80 #4 63/80 #5 55/80 #6 64/80. Replaced STARTER DRIVE WITH REBUILT TCM STARTER PIN 642083A1Z \$IN 9928 USING 1ea New PIN 653470 CASKET AND 1ea PIN A# 3578-038 O-RING. Post Run Leak AND OPS Check Good. The maintenance action IDENTIFIED ABOVE inspected AND FOUND AIRWORTHY.</p>				
<p>The aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service.</p> <p>"Pertinent details of the repair are on file at this repair station under Order No. 115588 Date 20 Dec 07</p> <p>Signed: <i>[Signature]</i> for (signature of authorized representative)</p> <p>Montgomery Aviation Corporation certificate no. 66EA2147M P. O. Box 92, Montgomery, Alabama."</p>				

09 April 2008

**N1640C
Engine**

**1159.0 Hobbs
1159.0 ETT**

Performed 50 Hour inspection in accordance with Cirrus Scheduled Inspection Report dated December 15, 2007. Oil and filter changed. Serviced engine with 7 quarts of Aeroshell W80 and CH48108-1 oil filter. Engine washed, run up, leak check OK.

I certify that this Engine was inspected in accordance with a 100 hour inspection and found to be in airworthy condition.

Mark C. Roisen
506742944 A&P



ANN ARBOR
Aviation Center Inc.
GETTING PILOTS INTO THE AIR FOR OVER 21 YEARS

719 Airport Drive
Ann Arbor, MI
48108
Phone 734-662-6806
Fax 734-662-0559

2 July 2008

**N1640C
Engine**

**1203.8 Hobbs
1203.8 ETT**

Compression check #1 55, #2 60, #3 67, #4 60, #5 68, #6 62. (Master Orifice 44psi)
Oil and filter changed. Serviced engine with 8 quarts of Aeroshell W100 and CH48108-1 oil filter, cleaned and gapped spark plugs, replaced oil dip stick 656616-1. Engine washed, run up, leak check OK.

I certify that this Engine was inspected in accordance with a 100 hour inspection and found to be in airworthy condition.

Russell Norris
372022742 A&P



ANN ARBOR
Aviation Center Inc.
GETTING PILOTS INTO THE AIR FOR OVER 21 YEARS

719 Airport Drive
Ann Arbor, MI
48108
Phone 734-662-6806
Fax 734-662-0559

8 August 2008

**N1640C
Engine**

**1254.8 Hobbs
1254.8 ETT**

Performed 50-Hour inspection in accordance with Cirrus Scheduled Inspection Report dated May 30, 2008. Oil and filter changed. Serviced engine with 8 quarts of Aeroshell W100 and CH48108-1 oil filter. Replaced oil pressure switch 12635-002, replaced starter adapter 642083A12, replaced #2 Alternator 13565-001S PN BC410-1, SN 064344. Engine washed, run up, leak check OK.

Russell Norris
372022742 A&P



ANN ARBOR
Aviation Center Inc.
GETTING PILOTS INTO THE AIR FOR OVER 21 YEARS

719 Airport Drive
Ann Arbor, MI
48108
Phone 734-662-6806
Fax 734-662-0559

18 September 2008

**N1640C
Engine**

**1303.5 Hobbs
1303.5 ETT**

Compression check #1 73, #2 71, #3 66, #4 70, #5 74, #6 74. (Master Orifice 46psi)
Oil and filter changed. Serviced engine with 8 quarts of Aeroshell W100 and CH48108-1 oil filter, cleaned and gapped spark plugs, replaced starter adapter 642083A12R. Engine washed, run up, leak check OK.

I certify that this Engine was inspected in accordance with a 100 hour inspection and found to be in airworthy condition.

Russell Norris
372022742 A&P



ANN ARBOR
Aviation Center Inc.
GETTING PILOTS INTO THE AIR FOR OVER 21 YEARS

719 Airport Drive
Ann Arbor, MI
48108
Phone 734-662-6806
Fax 734-662-0559

31 October 2008

**N1640C
Engine**

**1353.6 Hobbs
1353.6 ETT**

Performed 50 Hour inspection in accordance with Cirrus Scheduled Inspection Report dated May 30, 2008. Oil and filter changed. Serviced engine with 8 quarts of Aeroshell W80 and CH48108-1 oil filter. Installed E-Z Heat PN 441 to oil pan. Engine washed, run up, leak check OK.

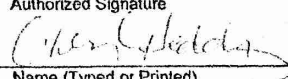
Ross A. Schmidt
365584077 A&P

CIRRUS

Aviation Center

FORM 8130-3

N1640C

1. Approving National Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG					3. Form Tracking Number: 082639	
4. Organization B & C SPECIALTY PRODUCTS INC. 123 EAST 4TH ST. NEWTON, KS. 67114-0894					Customer: Cirrus Design Corporation 4515 Taylor Circle Delath, MN 55811		5. Work Order, Contract, or Invoice Number: Invoice: 082639	
6. Item	7. Description	8. Part Number	9. Eligibility *	10. Quantity	11. Serial/Batch Number	12. Status/Work		
1	Alternator	BC410-1		1	064344	Repair		
13. Remarks: Item 1: Repaired in accordance with B&C Specialty Products #BC410 Overhaul / Component Maintenance Manual for the BC410 Alternator. A complete description of work performed is on file at the above referenced organization under the part description listed in blocks 6, 7, 8, 10, 11, and the invoice number indicated in block 5.								
14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.				19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.				
15. Authorized Signature		16. Approval/Authorization No.:		20. Authorized Signature 		21. Certificate Number ZG9R933X		
17. Name (Typed or Printed)		18. Date (m/d/y):		22. Name (Typed or Printed) CHERYL HEDDING		23. Date July/02/2008		
*User/Installer Responsibilities								
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in block 14 and 19 do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.								



N1640C Eng. SN:687494 Date: 5/13/2009 Engine Hobbs: 1395.2

1. Installed overhauled propeller governor p/n C290D3R/T23 s/n002335 with new gasket p/n15524-101.
2. Installed new engine flexible hoses for 5 year replacement requirement. p/n's 124F001-8CR0144, 124F002-4CR0140, 124F001-4CR0072, 124F003-4CR0105, 124F001-6CR0080.
3. Run up and leak checks good.

Greg Herrmann 406901563IA



N1640C S/N: 0579 Date: 6/3/2009 Engine Hobbs: 1404.4 TSN: 1404.4

I certify that I have inspected this engine. I/A/W an **100hour** inspection per Cirrus SR22 AMM rev. A3 Chapter 5-20 and determined it to be airworthy for return to service. The following work was accomplished at this time:

1. Compressions: 1)74/80 2)63/80 3)65/80 4)62/80 5)71/80 6)73/80 master orifice 43psi.
2. Changed engine oil. Serviced oil with 8 qts of 15w-50wt Aeroshell.
3. Installed new oil filter p/n AA48108.
4. Fuel pump found leaking. Installed overhauled fuel pump p/n655921-1A5 s/n B03DA028
5. Oiler cooler found cracked. Installed new oil cooler p/n 654585 s/n G08-7075-165.
6. Installed new fuel pump cavity drain line p/n MILDTL6000d14.
7. Cleaned fuel injection nozzles
8. Inspected fuel inlet filter.
9. Performed TCM SID97-3E functional inspection of fuel injection system.
10. Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

I certify that this engine has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA



N1640C S/N 0579 Date: 7/17/2009 Engine Hobbs: 1435.10

Number 1 alternator reported inop. MCU troubleshooting run-up check indicated no output on #1 alternator. Performed TCM Alternator troubleshooting datasheet/checklist. Found battery voltage at the field with no output. Removed and replaced alternator p/n 646843 with factory overhauled unit. Serial number off: C059902.0, on: 005KA207. Functional checks good.

Greg Herrmann 406901563IA

Hrs.	Min.	Hrs.	Min.	Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
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4510 Airport Rd. Cincinnati OH 45226 (513) 3211200

N1640C **Date:** 8/14/2009 **Engine** **Hobbs:** 583.8

Changed engine oil. Serviced oil with 7 qts. of 15w-50wt Aeroshell. Installed new oil filter pn# AA48108. Cut open old filter and inspected for metal debris. None found. Inspected drain plug for debris. None found. . Run-up checks good. No leaks noted

Greg Herrmann 406901563IA



N1640C S/N 0579 **Date:** 9/16/2009 **Engine** **Hobbs:** 1485.7

Number 1 alternator reported inop. MCU troubleshooting run-up check indicated no output on #1 alternator. Performed TCM Alternator troubleshooting datasheet/checklist. Found battery voltage at the field with no output. Removed and replaced alternator p/n 646843 with overhauled unit. Serial number off: 005KA207, on: J081843. Functional checks good.

Installed new induction air filter element p/n ba-24.

Greg Herrmann 406901563IA



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N1640C ENG. S/N: 687494 **Date:** 10/9/2009 **Engine** **Hobbs:** 1494.6 **TSN:** 1494.6

I certify that I have inspected this engine. I/A/W an Annual inspection per Cirrus SR22 AMM rev. A3 Chapter 5-20 and determined it to be airworthy for return to service. The following work was accomplished at this time:

1. Compressions: 1)63/80 2)72/80 3)68/80 4)70/80 5)68/80 6)73/80 master orifice 42psi.
2. Changed engine oil. Serviced oil with 8 qts of 15w-50wt Aeroshell.
3. Installed new oil filter p/n CH48108-1.
4. Inspected fuel inlet filter.
5. Installed new induction air filter p/n BA-24.
6. Installed 5 new spark plugs p/n URHB32E.
7. Installed Airwolf air/oil separator per STC SA02268 (see form 337) this date.
8. Performed TCM SID97-3E functional inspection of fuel injection system.
9. Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

I certify that this engine has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA



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N1640C S/N 0579 Date: 11/12/2009 Engine Hobbs: 1543.3

Right magneto mag drop reported excessive. Found teeth missing on distributor gear. Installed overhauled magnetos p/n10-500556-14 Serial numbers installed left: D02LA095R right: D03JA130. Run-up and mag drop normal.

Greg Herrmann 406901563IA



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N1640C Date: 12/01/2009 Engine Hobbs: 1544.8

Changed engine oil. Serviced oil with 8 qts. of 15w-50wt Aeroshell. Installed new oil filter pn# AA48108-2. Cut open old filter and inspected for metal debris. None found. Inspected drain plug for debris. None found. Run-up checks good. No leaks noted.

Greg Herrmann 406901563IA



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N1640C ENG. S/N: 687494 Date: 3/12/2010 Engine Hobbs: 1589.5 TSN: 1589.5

I certify that I have inspected this engine. I/A/W an Annual inspection per Cirrus SR22 AMM rev. A3 Chapter 5-20 and determined it to be airworthy for return to service. The following work was accomplished at this time:

1. Compressions: 1)65/80 2)60/80 3)65/80 4)71/80 5)64/80 6)71/80 master orifice 42psi.
2. Changed engine oil. Serviced oil with 8 qts of 15w-50wt Aeroshell.
3. Installed new oil filter p/n AA48108-2.
4. Inspected fuel inlet filter.
5. Installed 2 new spark plugs p/n RHB32E.
6. Performed TCM SID97-3E functional inspection of fuel injection system.
7. Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

I certify that this engine has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA



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N1640C Date: 5/20/2010 Engine Hobbs: 1646.3

Changed engine oil. Serviced oil with 7 qts. of 15w-50wt Aeroshell. Installed new oil filter pn# AA48108-2. Cut open old filter and inspected for metal debris. None found. Inspected drain plug for debris. None found. Run-up checks good. No leaks noted.

Greg Herrmann 406901563IA



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N1640C

Date: 7/28/2010

Engine

Hobbs: 1764.3

Changed engine oil. Serviced oil with 7 qts. of 15w-50wt Aeroshell. Installed new oil filter pn# AA48108-2. Cut open old filter and inspected for metal debris. None found. Inspected drain plug for debris. None found. Run-up checks good. No leaks noted.

Greg Herrmann 406901563IA



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N1640C ENG. S/N: 687494 Date: 8/12/2010 **Engine Hobbs:** 1791.9 **TSN:** 1791.9

I certify that I have inspected this engine. I/A/W an **Annual** inspection per Cirrus SR22 AMM rev. B Chapter 5-20 and determined it to be airworthy for return to service. The following work was accomplished at this time:

1. Compressions: 1)52/80 2)60/80 3)61/80 4)71/80 5)64/80 6)70/80 master orifice 42psi.
2. Changed engine oil. Serviced oil with 8 qts of 15w-50wt Aeroshell.
3. Installed new oil filter p/n AA48108-2.
4. Inspected fuel inlet filter.
5. Performed TCM SID97-3E functional inspection of fuel injection system.
6. Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

I certify that this engine has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA



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N1640C

Date: 9/16/2010

Engine

Hobbs: 1847.3

Changed engine oil. Serviced oil with 8 qts. of 15w-50wt Aeroshell. Installed new oil filter pn# AA48108-2. Cut open old filter and inspected for metal debris. None found. Inspected drain plug for debris. None found. Run-up checks good. No leaks noted.

Greg Herrmann 406901563IA



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N1640C ENG. S/N: 687494 Date: 10/28/2010 **Engine Hobbs:** 1891.4 **TSN:** 1891.4

I certify that I have inspected this engine. I/A/W an **Annual** inspection per Cirrus SR22 AMM rev. B Chapter 5-20 and determined it to be airworthy for return to service. The following work was accomplished at this time:

1. Compressions: 1)52/80 2)64/80 3)74/80 4)75/80 5)70/80 6)71/80 master orifice 42psi.
2. Changed engine oil. Serviced oil with 8 qts of 15w-50wt Aeroshell.
3. Installed new oil filter p/n AA48108-2.
4. Inspected fuel inlet filter.
5. Installed new intake air filter element p/n BA-24.
6. Performed TCM SID97-3E functional inspection of fuel injection system.
7. Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

I certify that this engine has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA



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N1640C S/n 0579 Engine Date: 11/17/2010 Hobbs: 1915.3 TTSN: 1915.3

1. Installed new #6 egt probe p/n 14554-001. Run-up checks good.

Greg Herrmann 406901563IA



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N1640C Date: 12/22/2010 Engine Hobbs: 1940.2 28 28 1847.3

- Changed engine oil. Serviced oil with 8 qts. of 15w-50wt Aeroshell. Installed new oil filter p/n# AA48108-2. Cut open old filter and inspected for metal debris. None found. Inspected drain plug for debris. None found. Run-up checks good. No leaks noted.

David Stewart AP 3501524



4510 Airport Rd.
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(513) 321-1200



N1640C ENG. S/N: 687494 Date: 2/28/2011 Engine Hobbs: 1992.4 TSN: 1992.4

I certify that I have inspected this engine. I/A/W an Annual inspection per Cirrus SR22 AMM rev. B Chapter 5-20 and determined it to be airworthy for return to service. The following work was accomplished at this time:

1. Compressions: 1)53/80 2)53/80 3)60/80 4)65/80 5)68/80 6)60/80 master orifice 42psi.
2. Changed engine oil. Serviced oil with 8 qts of 15w-50wt Aeroshell.
3. Installed new oil filter p/n AA48108-2.
4. Inspected fuel inlet filter.
5. Performed TCM SID97-3E functional inspection of fuel injection system.
6. Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

I certify that this engine has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA



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N1640C Date: 5/2/2011 Engine Hobbs: 2067.8

Changed engine oil. Serviced oil with 7 qts. of 15w-50wt Aeroshell. Installed new oil filter p/n# AA48108-2. Cut open old filter and inspected for metal debris. None found. Inspected drain plug for debris. None found. Run-up checks good. No leaks noted.

David Stewart AP 3501524

ITEM: 1
 ORDER: 3308218 SN/LOT: N/A
 PN: 657596
 QTY: 1
 U/M: EA
 DESC: STARTER 24V

1. Approving National Aviation Authority / Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: 3308218	
4. Organization Name and Address: Cessna Aircraft Company (PC4) Cessna Parts Distribution Dept. 702 5800 E Pawnee, Wichita, KS, 67218					5. Work Order/Contract/Invoice Number: 1150870		
6. Item: 1	7. Description: STARTER 24	8. Part Number: 657596	9. Eligibility: * N/A	10. Quantity: 1	11. Serial/Batch Number: N/A	12. Status/Work: New	
13. Remarks: AIRWORTHINESS APPROVAL - PARTS. THIS FORM IS NOT AN EXPORT APPROVAL. PO# 011044							
14. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.			19. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.				
15. Authorized Signature: <i>Keith Thompson</i>		16. Approval/Authorization No.: ODA-100129-CE		20. Authorized Signature:		21. Approval/Certificate No.:	
17. Name (Typed or Printed): KEITH THOMPSON		18. Date (m/d/y): NOV/30/2011		22. Name (Typed or Printed):		23. Date (m/d/y):	
<p align="center">User/Installer Responsibilities</p> <p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the business authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1</p> <p>Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.</p>							

Brot



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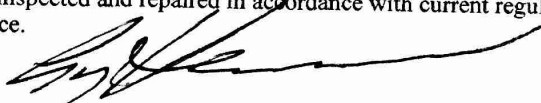


N1640C ENG. S/N: 687494 Date: 6/16/2010 Engine Hobbs: 1689.7 TSN: 1689.7

I certify that I have inspected this engine. I/A/W an **Annual** inspection per Cirrus SR22 AMM rev. A3 Chapter 5-20 and determined it to be airworthy for return to service. The following work was accomplished at this time:

1. Compressions: 1)52/80 2)65/80 3)62/80 4)66/80 5)65/80 6)76/80 master orifice 42psi.
2. Changed engine oil. Serviced oil with 8 qts of 15w-50wt Aeroshell.
3. Installed new oil filter p/n AA48108-2.
4. Inspected fuel inlet filter.
5. Installed new intake air filter p/n BA-24.
6. Installed new #4 cht probe p/n 14880-001.
7. Installed new #5 egt probe p/n 14554-001.
8. C/W 300 hour fuel injector cleaning and inspection.
9. Installed 3 new spark plugs p/n RHB32E.
10. Performed TCM SID97-3E functional inspection of fuel injection system.
11. Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

I certify that this engine has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA 



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N1640C

Engine S/N 687494

Date: 5/1/2010

Hobbs: 2078.9 TTSN: 2078.9

1. This engine removed for overhaul.

Greg Herrmann 406901563IA 

This Entry closes this logbook