



CESSNA 210D N3985Y

# Engine Maintenance Log

*Closed*

## AIRCRAFT AND ENGINE DESCRIPTION

Cessna				
Aircraft Mfr.	Model	Serial	Registration	
CESSNA	2100	21058905	N3985Y	
Engine Mfr.	Type	Model	Serial No.	
CONT		10520-PA	168120-7-XA	
Rated H.P.	Maximum H.P.	Weight (Dry)		
285	300			
Rated R.P.M.	Maximum R.P.M.	Oil Pressure		
Bore	Stroke	Displacement	Cu. In.	
Owner's Name				
Address				
			City	
			State	

### INSTRUCTIONS

- 1) All Engine Maintenance is to be recorded on the Log Sheets provided in this Log Book.
- 2) The column headed "Description of Inspection, Repair and Overhaul" is particularly important, for in this column all the details concerning the following are to be entered:
  - a) Line and Periodic Inspection, Alterations, Repair and Overhaul.
  - b) When repairs or alterations necessitate submission of FAA Form 337, an entry is to be made in this column and the original of the Form 337 stapled at the back of this manual.
  - c) All entries must be endorsed with the name, rating and certificate number of either the FAA Repair Station or the mechanic.
- 3) If the engine is removed from the aircraft, this Engine Log Book is to be transferred with the removed engine.
- 4) Compliance with Service Letters and Airworthiness Directives applicable to the engine are to be recorded on the page at the back of this log.

ENGINE TT 1703.00

ENGINE MAINTENANCE LOG

DATE	ACCUMULATED TOTALS		TACH.	Description of Inspection, Repair and Overhaul Enter here general data with reference to inspections, alterations and repairs and overhaul. ALL DATA must be endorsed with the name, rating and certificate number of either the FAA Repair Station or the mechanic.
	Hours	10ths		
19__			2677.25	

10/11/84. ENGINE TOTAL 1703.0 ENGINE GIVEN A MAJOR OVERHAUL AS FOLLOWS, ENGINE DISASSEMBLED, ALL STEEL PARTS MAGNAFLUXED, NON STEEL PARTS ZYGLOED. CRANK SHAFT GIVEN ULTRA SONIC INSPECTION, REPORT IN BACK OF ENGINE LOG, ALSO MAGNAFLUX AND INSPECTION REPORT APPROVED SHOP NO 3125. ALL ROD AND MAIN BEGS, REPLACED COUNTER WEIGHT PINS REPLACED. ALL CYLINDERS RECONDITIONED WITH NEW INTAKE AND EXHAUST VALVES, ALL VALVE SPRINGS REPLACED, NEW PISTONS AND RINGS. MAFS, HARNESS AND SPARK PLUGS NEW. NEW OVERHAUL GASKET SET. NEW ENGINE MOUNTS. ALL LIFTER ASSEMBLIES REPLACED. ROCK SHAFTS REPLACED. NEW CRANK SHAFT SEAL. ALL NEW INTAKE HOSES. REPLACED STARTER, SERVICED GENERATOR,

CARRY ACCUMULATED TOTALS FORWARD TO TOP OF NEXT PAGE

OVER.

DATE	ACCUMULATED TOTALS	
	Hours	10th



overhaul.  
 per the FAA

NEW CONNECTING ROD BOLTS, NEW OIL PUMP  
 INSTALLED. ENGINE, LEFT AIR FILTER NEW, REPLACED  
 ENGINE OIL COOLER. ENGINE GROUND RUN IN 3 HOURS.  
 CHANGED OIL AND CHECKED OIL SCREEN, RESET IDLE  
 MIXTURE AND RPM. ENGINE RUN UP AND OPERATIONAL  
 CHECK OK.

1703.00.....TOTAL TIME

I CERTIFY THAT THIS ~~ENGINE~~ HAS BEEN  
 INSPECTED IN ACCORDANCE WITH A 100 HR  
 INSPECTION AND WAS DETERMINED TO BE IN  
 AIRWORTHY CONDITION.

*Michael J. Kuehn*  
 AP1331219

CARRY ACCUMULATED TOTALS FORWARD TO TOP OF NEXT PAGE

# ENGINE MAINTENANCE LOG

DATE

19

TYPE CESSNA 210 D  
 N# N39854  
 S/N 21258485  
 ENG. CONT. IO-520-A  
 S/N 168120-7-A

FRANKFORT AVIATION SERVICE, INC.  
 FRANKFORT AIRPORT, FRANKFORT, ILL. 60423  
 AUTHORIZED CESSNA DEALER  
 ENGINE LOG BOOK INSERT

DATE 1-2-85  
 W.O.# 5433 and 5477  
 T.T. 1705.4  
 TSMOH 002.4  
 REC. HR METER 2679.65

At this time this engine was opened and cleaned for inspection. Compression was teste with the following results: 1 - 76/80; 2 - 79/80; 3 - 75/80; 4 - 79/80; 5 - 79/80; 6 - 78/80. The following work was completed: This engine was originally installed and overhauled (dated 10/11/84) as a IO-520-F which is not approved for installation in a Cessna 210 D. The engine was converted at this time to an IO-520-A by replacing the balance tube to a P/N 632396, correctly setting take of RPM to 2700. The correct engine mounts were previously installed by the original overhauler. The data plate was remarked accordingly. Both LH and RH magnitos were replaced with factory remanufactured 6210R units, S/N4099144 LH, and S/N 4099163 RH. The forward two case through bolts were resealed. The engine was flight tested and adjusted as necessary. A.D.'s have been checked through BW84-25.

I certify that this engine has been certified in accordance with an Annual Inspection and was determined to be in an airworthy condition.

*Bruce Rebechini*  
 Bruce Rebechini  
 A & P 2224931IA

# ENGINE MAINTENANCE LOG

DATE

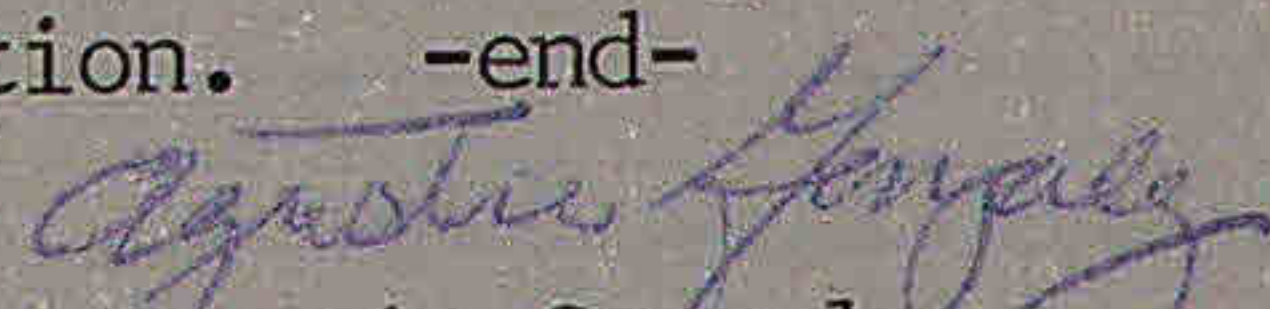
19

TYPE CESSNA 210D  
 N# 39854  
 S/N 21258485  
 ENG. CONT. IO-520-A  
 S/N 168120-7-A

**FRANKFORT AVIATION SERVICE, INC.**  
**FRANKFORT AIRPORT, FRANKFORT, ILL. 60423**  
**AUTHORIZED CESSNA DEALER**  
**ENGINE LOG BOOK INSERT**

DATE 2/22/85  
 W.O.# 5541  
 T.T. 1711.7  
 TSMOH 8.7  
 REC. HR METER 2686.0

At this time, the oil was drained and screen removed for inspection. Oil sample was removed and sent to Spectro, Inc., for wear analysis. The engine was serviced with 12 qts. of Phillips Type M Non-Detergent oil. The screen was cleaned and installed using new felt rings and seals. The oil cooler was replaced with an overhauled unit from Southwest Cooler Service, station #4447, W.O. #3143, S/N 6384. The cooler was installed using a new base gasket and locking hardware. A.D. 84-26-02, effective 1/29/85, on induction air filters has been previously complied with by the installation of left filter at 2677.25 and right at 2679.65. A.D. 85-03-01, effective 3/15/85, on mixture and throttle controls was complied with as per Cessna Service Letter SE 69-16. Engine and cowlings were washed down, engine was ground run for proper operation. -end-

  
 Agustin Gonzalez  
 A & P 341601122

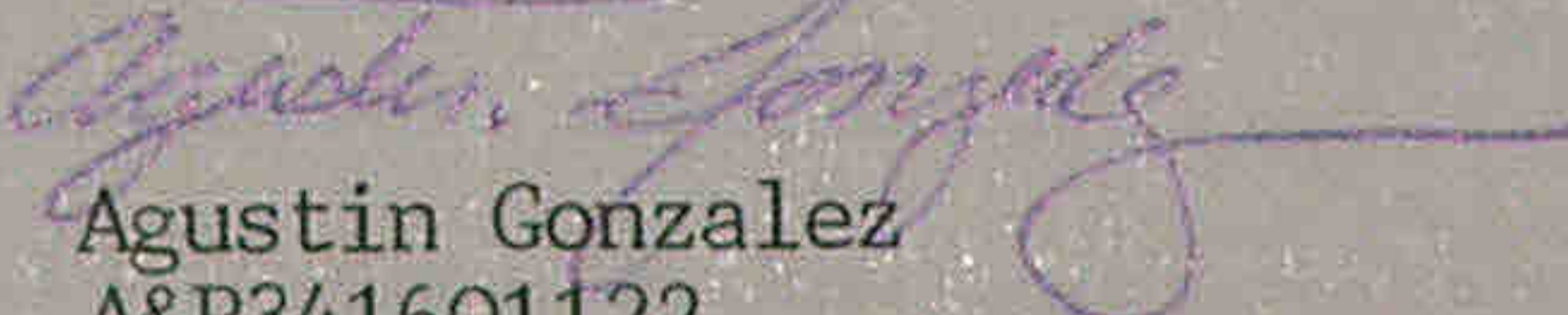
# ENGINE MAINTENANCE LOG

DATE \_\_\_\_\_  
 TYPE Cessna 210D  
 N# 3985Y  
 S/N 21058485  
 ENG. I0520A  
 S/N 168120-7-A

**FRANKFORT AVIATION SERVICE, INC.**  
**FRANKFORT AIRPORT, FRANKFORT, ILL. 60423**  
**AUTHORIZED CESSNA DEALER**  
**ENGINE LOG BOOK INSERT**

DATE 4-1-86  
 W.O.# 5974  
 T.T. 1751.23  
 TSMOH 48.23  
 REC. HR METER 2725.48

The engine was inspected and serviced in accordance with a 100 hour inspection as per Cessna service manuals. Compression was checked with the following results: #1-73/80, #2-75/80, #3-75/80, #4-75/80, #5-78/80, #6-76/80. The oil screen was inspected, cleaned, and reinstalled using a new seal. All spark plugs were cleaned, gapped, and tested, ignition leads were tested and cleaned. Magneto to engine timing was checked. Induction and exhaust system was inspected for leaks and security. Fuel strainer and finger strainer were inspected and cleaned, induction filters were serviced. AD 84-26-02 on induction filters was previously complied with and are not to exceed 500 hours in service, (See entry dated 2-22-85). AD 71-24-04 on fluid flex lines was complied with by inspection and is due again in 100 hrs. at an A/F total time of 2825.48. AD 85-10-02 on airbox inspection was complied with and is due again in 100 hours. AD 77-13-22 on engine crankcase inspection was complied with and is due again in 100 hours. Propeller was removed and sent out to be overhauled by Aircraft Propeller, (See prop log book). Engine and cowlings were washed down, engine was ground operated for proper systems operation.-end- I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition.

  
 Agustin Gonzalez  
 A&P341601122

# ENGINE MAINTENANCE LOG

DATE \_\_\_\_\_  
 TYPE Cessna 210D  
 N# 3985Y  
 S/N 21058485  
 ENG. I0520A  
 S/N 168120-7-A

FRANKFORT AVIATION SERVICE, INC  
 FRANKFORT AIRPORT, FRANKFORT, ILL. 60423  
 AUTHORIZED CESSNA DEALER  
 ENGINE LOG BOOK INSERT

DATE 4-1-86  
 W.O.# 5974  
 T.T. 1751.23  
 TSMOH 48.23  
 REC. HR METER 2725.48

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

*Bruce Rebechini*  
 Bruce Rebechini  
 A&P2224931IA

5/3/85	2693.89		Change Oil	Phillips	20-50 Type M
8/22/85	2715.02		"	"	"
12/15/86			Change To Phillips 20-50		



# ENGINE MAINTENANCE LOG

## Description of Inspection, Repair and Overhaul

Enter here general data with reference to inspections, alterations and repairs and overhaul.  
ALL DATA must be endorsed with the name, rating and certificate number of either the FAA  
Repair Station or the mechanic.

DATE	ACCUMULATED TOTALS	
	Hours	10ths
19 _____		

**APRIL 18, 1987 TACH READS 2775:78 98 HRS. S.M.O.H.**  
 AN ANNUAL INSPECTION WAS COMPLETED THIS DATE USING AN FAA APPROVED CHECK LIST. ROUTINE MAINT. WAS PERFORMED DURING THE INSPECTION. COMP. CHECK AS FOLLOWS #1 <sup>77</sup>/<sub>80</sub> #2 <sup>75</sup>/<sub>80</sub> #3 <sup>78</sup>/<sub>80</sub> #4 <sup>79</sup>/<sub>80</sub> #5 <sup>75</sup>/<sub>80</sub> #6 <sup>77</sup>/<sub>80</sub>. OIL SCREEN WAS INSPECTED AND CLEANED. MAG. TIMING WAS CHECKED. COMPLY A.D. 71-24-04 BY INSP. OF ENG. FLUID LINES. COMPLY A.D. 85-10-02 BY INSP. OF INDUCTION AIR BOX. COMPLY A.D. 77-13-22 BY INSP. OF ENGINE CRANKCASE. COMPLY A.D. 76-07-12 BY INSP. OF MAG SWITCH. (SEE A/C LOG ALSO) SECURE LOOSE EGT CONNECTION AT LEAD SPLICE. SECURE LOOSE CHT CONNECTION AT PROBE. SECURE LOOSE GENERATOR CONNECTION AT 'ARM' POST. TIGHTEN LOOSE OIL PRESS RELIEF  
 (cont)

CARRY ACCUMULATED TOTALS FORWARD TO TOP OF NEXT PAGE

# ENGINE MAINTENANCE LOG

## Description of Inspection, Repair and Overhaul

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ACCUMULATED  
TOTALS

Hours

10ths

CAP. THIS CAP SHOWED OIL LEAK. REPAIR AS NEEDED OR REPLACE  
MISSING ENGINE COOLING BAFFLES AND RELATED SEALS. REPLACE  
BROKEN #6 CYL. PREHEAT ELEMENT. NO OIL CHANGE THIS DATE.  
COMPLY A.I.D. 86-24-07 BY INSTALLING ENG. CONTROL BALL END  
CASTLE NUTS AND PINS.

DATE: 4/18/87 TACH: 2775 T.T. 985.m.04.

I CERTIFY THAT THIS ~~AIRFRAME~~ ENGINE WAS INSPECTIONED IN ACCORDANCE WITH AN INSPECTION AND WAS DETERMINED TO BE IN WORTHY CONDITION AT THIS DATE.

*Eugene R. Moretti*

EUGENE R. MORETTI I. A. 1540550

# ENGINE MAINTENANCE LOG

DATE	ACCUMULATED TOTALS		Description of Inspection, Repair and Overhaul Enter here general data with reference to inspections, alterations and repairs and overhaul. ALL DATA must be endorsed with the name, rating and certificate number of either the FAA Repair Station or the mechanic.
	Hours	10ths	
19 <u>88</u>			
6-1-88	Tach Reads	2818.85	Annual Inspection completed this date to include: Compression Test #1 $\frac{76}{80}$ #2 $\frac{76}{80}$ #3 $\frac{74}{80}$ #4 $\frac{78}{80}$ #5 $\frac{75}{80}$ #6 $\frac{72}{80}$ Oil change and screen checked, reinstalled 12qts 20W50 Phillips x-c I, cleaned and gapped spark plugs, checked magneto timing, ignition harness, exhaust system, c/w AD 71-24-04 By Inspecting lines, c/w AD 77-13-22 By Inspecting crankcase and no cracks found, c/w AD 76-07-12 on Bendix Ignition switch By Function testing, Repaired baffles as needed, Repaired air box as required.

CARRY ACCUMULATED TOTALS FORWARD TO TOP OF NEXT PAGE

# ENGINE MAINTENANCE LOG

## Description of Inspection, Repair and Overhaul

Enter here general data with reference to inspections, alterations and repairs and overhaul.  
 ALL DATA must be endorsed with the name, rating and certificate number of **either** the FAA  
 Repair Station or the mechanic.

DATE	ACCUMULATED TOTALS	
	Hours	10ths
19____		

I certify that this ~~aircraft~~ <sup>engine</sup> has been inspected

in accordance with a ~~100 hr~~ <sup>Annual</sup> inspection and  
 was determined to be in airworthy condition.

Date 6/88 <sup>Tot</sup> TOTAL TIME 2818.89 T.S.O. 141.11

Robert Lally A & P 3741505 IA  
 A.I.

**WILKAWAYTON, INC.**  
**GRATER KANKAKEE AIRPORT**  
**KANKAKEE, ILLINOIS**

# ENGINE MAINTENANCE LOG

## Description of Inspection, Repair and Overhaul

Enter here general data with reference to inspections, alterations and repairs and overhaul.  
ALL DATA must be endorsed with the name, rating and certificate number of either the FAA  
Repair Station or the mechanic.

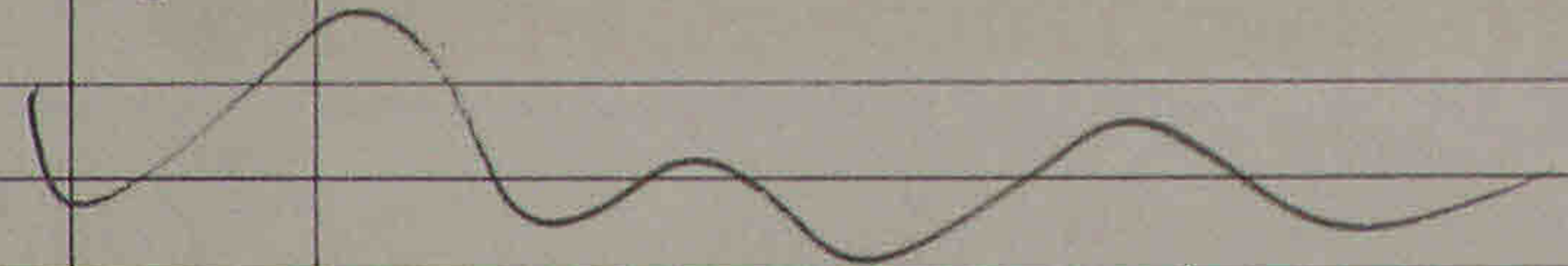
DATE	ACCUMULATED TOTALS	
	Hours	10ths
19__		

**MAY 10, 1989 TACH READS 2867: 80 HRS. TOTAL TIME 190 HRS. S.M.O.H.**

AN ANNUAL INSPECTION WAS COMPLETED THIS DATE USING AN FAA APPROVED CHECK LIST. ROUTINE MAINT. WAS PERFORMED DURING THE INSP. COMP. CHECK AS FOLLOWS: #1  $\frac{77}{80}$  #2  $\frac{76}{80}$  #3  $\frac{76}{80}$  #4  $\frac{78}{80}$  #5  $\frac{78}{80}$  #6  $\frac{75}{80}$

OIL SCREEN WAS INSPECTED AND CLEANED. MAG TIMING WAS CHECKED. TIGHTEN LOOSE GEN. DRIVE BELT; SECURE LOOSE COOLING. BAFFLE SEALS; REPAIR RT. TAIL PIPE FLEX MOUNT; RELOCATE VAC PUMP VENT LINE TO PROPER POSITION. C.W. AD 76-07-12 BY INSP. OF BENDIX MAG SWITCH.

C.W. AD. 71-24-04 BY INSP. OF FLUID LINES; A.D. 77-13-22 BY INSP. OF CASE; A.D. 85-10-02 BY INSP. OF INDUCTION AIR BOX.



DATE: 5/10/89 TACH: 2867 T.T. 1905 M.O.H.

I CERTIFY THAT THIS AIRFRAME ENGINE WAS INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN A WORTHY CONDITION AT THIS DATE.

*Eugene R. Moretti*  
EUGENE R. MORETTI I. A. 1343056

CARRY ACCUMULATED TOTALS FORWARD TO TOP OF NEXT PAGE

# ENGINE MAINTENANCE LOG

## Description of Inspection, Repair and Overhaul

Enter here general data with reference to inspections, alterations and repairs and overhaul. ALL DATA must be endorsed with the name, rating and certificate number of **either** the FAA Repair Station or the mechanic.

DATE	ACCUMULATED TOTALS	
	Hours	10ths
19__		

\*N3985Y TCM IO-520-A S/N 168120-7-A TACH 2905.75 TT 2906 ENG TSO 229 - C/W  
 ANNUAL INSPECTION \*COMPRESSION CHECK: #1 80/80 #2 78/80 #3 76/80 #4 76/80  
 #5 70/80 #6 75/80 \*CHANGED OIL, CLEANED & CHECKED SCREEN - SERVICED WITH 12 QTS  
 PHILLIPS 20W50 XC \*OIL SAMPLE TAKEN \*CLEANED AND GAPPED ALL SPARK PLUGS \*AEROQUIP  
 S.B. 001 R. 1 NOT APPLICABLE \*CLEANED AND RETORQUED INJECTORS \*RETINED LH & RH MAGS  
 TO ENGINE \*RETORQUED CLAMP #4 CYL EXHAUST TRANSITION AND NO LEAKS NOTED \*ADJUSTED  
 IDLE RPM AND MIXTURE PER S.M. \*GROUND RAN ENGINE - OPS CHECKED OK - NO LEAKS NOTED  
 \*I Certify that this Engine has been Inspected IAW an Annual Inspection & was  
 determined to be in an Airworthy Condition. Clark Aviation inc. CRS# C19-57

The aircraft/component identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. Pertinent details of the repair are on file at this repair station



SIGNED *Eric Stockweather*  
 CLARK AVIATION INC.  
 Bloomington, IL 61704

W.O.# 251 DATE 7-2-90  
 Bloomington-Normal Airport  
 FAA Approved Repair Station C19-57

# ENGINE MAINTENANCE LOG

ACCUMULATED TOTALS	
Hours	10ths
91	

**Description of Inspection, Repair and Overhaul**  
 Enter here general data with reference to inspections, alterations and repairs and overhaul.  
 ALL DATA must be endorsed with the name, rating and certificate number of either the FAA  
 Repair Station or the mechanic.

9/3/1991 Tech Reads 2947.45 Annual Inspection completed this date to include: Compression Results #1  $\frac{78}{80}$  #2  $\frac{72}{80}$  #3  $\frac{76}{80}$  #4  $\frac{77}{80}$  #5  $\frac{76}{80}$  #6  $\frac{79}{80}$   
 Oil changed and checked screen for metal and none found, reinstalled 12gts 20w50 Phillips V-C I, Cleaned and gapped spark plugs, Checked magneto timing and washed down engine

I certify that this ~~unit~~ engine has been inspected

In accordance with a ~~unit~~ Annual inspection and was determined to be in airworthy condition.

Date 9-3-91 TOTAL TIME 1977.20 T.S.O. 270.20

Robert Lake A & P 3741505 IA  
 S.I.

# ENGINE MAINTENANCE LOG

DATE	ACCUMULATED TOTALS		Description of Inspection, Repair and Overhaul Enter here general data with reference to inspections, alterations and repairs and overhaul. ALL DATA must be endorsed with the name, rating and certificate number of either the FAA Repair Station or the mechanic.
	Hours	10ths	
19 <u>92</u>  AUG. 2.			<p>TACH 2017.9 TSOH 314.91</p> <p>CHECKED COMPRESSION #1 74/80 #2 76/80 #3 73/80 #4 79/80 #5 76/80 #6 76/80. DRAINED OIL AND REPLACED OIL STRAINER. ADDED 12 qts PHILLIPS XC 20 W50. CLEANED AND GAPPED SPARK PLUGS. CHECK MITT TUNING. CHECKED INTAKE, EXHAUST, AND ELECTRICAL SYSTEMS. COMPLIED WITH AD 77-13-22 ON CRANKCASE BY INSPECTION (ONE AGAIN IN 100 HR.)</p> <p style="color: red; font-size: small;">I certify that this <u>aircraft</u> has been inspected <u>engine</u></p> <p style="color: red; font-size: small;">in accordance with a <u>100 hr.</u> inspection and was determined to be in airworthy condition.</p>

CARRY ACCUMULATED TOTALS FORWARD TO THE NEXT PAGE. AUG 2 92 TACH 2017.9 TSOH 314.91



ENGINE MAINTENANCE LOG

DATE	ACCUMULATED TOTALS	
	Hours	10ths

**Description of Inspection, Repair and Overhaul**  
 Enter here general data with reference to inspections, alterations and repairs and overhaul.  
 ALL DATA must be endorsed with the name, rating and certificate number of either the FAA  
 Repair Station or the mechanic.



I certify that this ~~aircraft~~ **engine** has been inspected  
 in accordance with a ~~100 hr.~~ **Annual** inspection and  
 was determined to be in airworthy condition

Date 4-2-92 TOTAL TIME 2017.9 T.S.O. 314.9

Don R. Smith A & P. 334962628  
 A. I.



**ENGINE MAINTENANCE LOG**

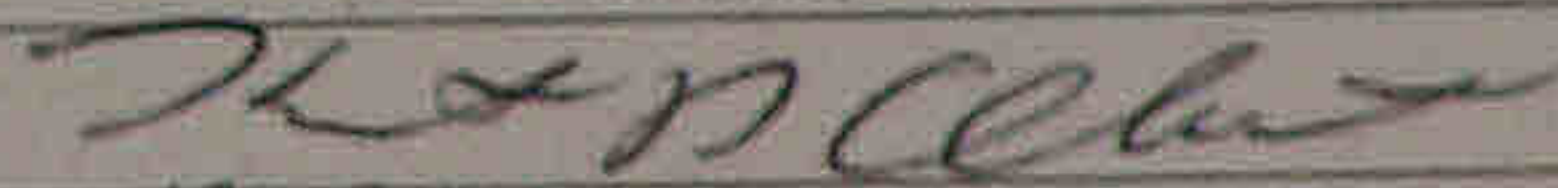
DATE 19__	ACCUMULATED TOTALS	
	Hours	10ths
10-4-93	30.4	36.4

**Description of Inspection, Repair and Overhaul**

Enter here general data with reference to inspections, alterations and repairs and overhaul. ALL DATA must be endorsed with the name, rating and certificate number of either the FAA Repair Station or the mechanic.

714H timer c/w Annual IASP PRIMER OIL c/w SCREWS  
 And SERVICE WITH X-C 20W50 OIL c/w COMPRESSOR  
 CR #1 77/50 #2 78/50 #3 77/50 #4 77/50 #5 77/50 #6 77/50  
 BRACKETED STUD FOR EXHAUST on #1 CYLINDER BRACKET  
 MUFFLER SUPPORT BRACKET INSTALL W/ BRACKET  
 AIR FILTERS ADJUSTED MAL'S

I CERTIFY THAT THIS Engine HAS BEEN  
 INSPECTED IN ACCORDANCE WITH A Annual  
 INSPECTION AND WAS DETERMINED TO BE IN  
 AIRWORTHY CONDITION.

  
 TJP 33748 (286) E.A.

CARRY ACCUMULATED TOTALS FORWARD TO TOP OF NEXT PAGE

# ENGINE MAINTENANCE LOG

## Description of Inspection, Repair and Overhaul

Enter here general data with reference to inspections, alterations and repairs and overhaul.  
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Repair Station or the mechanic.

ACCUMULATED  
TOTALS

Hours

10ths

TACH 3046.46 AT THIS TIME THE OIL SUMP WAS  
REMOVED FOR REPAIRS. THE SUMP WAS REINSTALLED  
WITH A NEW GASKET. THE FANS WAS SERVICED  
WITH 12905 PINS 20450 XC, 4 NEW  
ENGINE LORD MOUNTS WERE INSTALLED  
END

JM PATT  
AIP 324401878

CARRY ACCUMULATED TOTALS FORWARD TO TOP OF NEXT PAGE

# ENGINE MAINTENANCE LOG

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 Repair Station or the mechanic.

DATE	ACCUMULATED TOTALS	
	Hours	10ths
1994		

11-17 TACH = 3075.21 TTENG = 2100.96 TSMOH = 397.96 Performed Annual Amp. Compression #1 75/80 #2 77/80  
 #3 73/80 #4 77/80 #5 78/80 #6 78/80. Changed oil 1 qt Phillips 20W50X1C Clean air screen, fuel screen +  
 injector nozzles. Clean gap spark plugs, check mag timing + harness. Replace Air Filter Elements. Torque PBC  
 Screws. Reattach Flex Baffle. Tighten induction clamps. Replace Mix + throttle belts IAW AD 86-24-07  
 propeller A/W. Repair Center Air Box, as needed. Install Dipstick housing, correctly replace hose + tighten  
 clamps. C/W AD 77-13-22 Checkseal cracks By Visual Insps Due again 100% on TACH 3175.21, C/W AD 71-24-04  
 Flex hose, Visual insp + Run test. Due again 100% on TACH 3175.21. C/W AD 85-10-02 Airbox dump outboard Airbox for  
 cracks Due again 100% on TACH = 3175.21 Wash Engine Run up + check for leaks Lub engine controls ~~END~~

I CERTIFY THAT THIS Powerplant HAS  
 BEEN INSPECTED IN ACCORDANCE WITH  
 A Annual INSPECTION AND WAS  
 DETERMINED TO BE IN AIRWORTHY  
 CONDITION AT THIS TIME.

SIGNED Gregory P. [Signature] AIP 524806216 IA  
 ASSOCIATED AIR ACTIVITIES, INC.  
 P.O. BOX 158, LANSING, IL 60438

CARRY ACCUMULATED TOTALS FORWARD TO TOP OF NEXT PAGE

# ENGINE MAINTENANCE LOG

## Description of Inspection, Repair and Overhaul

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Repair Station or the mechanic.

ACCUMULATED TOTALS	
Hours	10ths

-28-95 TACH 3082.2  
 INSTALLED OVERHAULD GENERATOR PN 1101912  
 SN 1101912 AND NEW BELT PN 539547-31-19.  
 Done June  
 ATP 337962628 IA

95 TACH = 3105.79 TTBN 6 = 2131.5 TSMOH = 428.5 Performed Annual drop. Compression #1 78/80 #2 78/80 #3 78/80 #4 79/80 #5 75/80 #6 77/80. Changed oil 10gts Phillip 20W50. Clean oil Screen. Replace 12 Spark Plug RHB32E. Check Mag Timing & harness. Replace Air Filter Elements. Clean Fuel Screen + Injector nozzles. Torque RBC screws + intake hose clamps. Adjust Generator Belt. Repair RH intake drain Tube. Torque out Cools + Crankcase half bolts. Wash Engine Run up + Check for leaks. END

I CERTIFY THAT THIS Powerplant HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AWORTHY CONDITION AT THE TIME OF INSPECTION.

SIGNATURE: Gregory Payne ATP 5248062165R

NOTE = AD 71-24-04, 85-10-02, 77-13-22 Due TACH = 3175.21  
 CARRY ACCUMULATED TOTALS FORWARD TO TOP OF NEXT PAGE

2-3-97 TACH 3140.9 TT 2166.6 TSOH 463.6 N3985Y

DATE	ACCUMULATED TOTALS	
	Hours	
19____		

Compression checked as follows: #1 74/80, #2 77/80, #3 75/80  
 #4 76/80, #5 74/80, #6 76/80. Drained oil and cleaned oil  
 screen. Added 10 qts. 20W50 Phillips X-C oil. Checked mag  
 timing. Cleaned and gapped spark plugs. Checked intake  
 exhaust and electrical systems. C/W AD 77-13-22 on crank  
 case by inspection (DUE AGAIN IN 100 HRS). Installed **new**  
**oil cooler gaskets P/N SA53728~~2~~ and SA625303**. I certify  
 that this engine has been inspected in accordance with an  
 annual inspection and it was determined to be in airworthy  
 condition as of this date. -END-

Dane R. Lamont   
 A&P334462628IA  
 For Cooley Bros. Aviation Inc.

# ENGINE MAINTENANCE LOG

DATE		ACCUMULATED TOTALS					
19__		Hours					
			3-15-99	TACH 3170.9	TT 2196.6	TSOH 493.6	N3985Y
			Compression checked as follows: #1 78/80, #2 76/80, #3 74/80, #4 76/80, #5 74/80, #6 77/80. Drained oil and checked screen. Added 12 qts. 20W50 Phillips X-C oil. Checked mag timing. Cleaned and gapped spark plugs. Checked intake exhaust and electrical systems. C/W AD 77-13-22 on crank case by inspection (DUE AGAIN IN 100 HRS). I certify that this engine has been inspected in accordance with an annual inspection and it was determined to be in airworthy condition as of this date. -END-				

Dane R. Lamont  
A&P 334462628IA  
For Cooley Bros. Aviation Inc.

2-3-97

TACH 3140.9

TT 2166.6

TSOH 463.6

N3985V

### ENGINE MAINTENANCE LOG

DATE	ACCUMULATED TOTALS		Description of Inspection, Repair and Overhaul Enter here general data with reference to inspections, alterations and repairs and overhaul. ALL DATA must be endorsed with the name, rating and certificate number of either the FAA Repair Station or the mechanic.
	Hours	10ths	
8-00	3193.3		R+R LH MAG FOR REPAIRS BY S+R AIRCRAFT ACCESSORIES W/O #1316. RESET TIMING
00			RH MAG. RUNUP + MAG CHECK OK. David Hill AIP 333564527 — END —
4-4-2000			TACH 3197.9 TOTAL TIME 2223.6 TSOH 520.6
			CK COMPRESSIO — #1 76/80 #2 77/80 #3 79/80 #4 77/80 #5 76/80
			#6 76/80. DRAINED OIL AND CK OIL SENSOR ADDED 12 QTS
			20 W 50 PHILLIPS X-C OIL. CLEANED AND GAPPED SPARK PLUGS
			AND CK MAG TIMING. CK INTAKE EXHAUST AND ILLUMINATION
			SYSTEMS. C/W AD 77-13-22 ON CRANK CASE BY INSPECTION
			(P/S AREA — IN 100 HRS)

I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A Annual INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AS OF THIS DATE 4-4-2000

NAME David Hill  
 NUMBER AIP 3337962625IA



## ENGINE MAINTENANCE LOG

DATE	ACCUMULATED TOTALS		Description of Inspection, Repair and Overhaul
	Hours	10ths	
19 <u>  </u>			<p style="margin: 0;">Enter here general data with reference to inspections, alterations and repairs and overhaul.                      ALL DATA must be endorsed with the name, rating and certificate number of either the FAA                      Repair Station or the mechanic.</p>
8-1-2000			
			TACH 3212.5
			DRAINED OIL, ADDED 11 QT 100W AERO SHAK.
			Dunc & Lund A+P 334962628
			FOR KAN KAN KOC PRACTICES

CARRY ACCUMULATED TOTALS FORWARD TO TOP OF NEXT PAGE

# ENGINE MAINTENANCE LOG

ACCUMI"  
TOT

Hours

## **KANKAKEE AERONAUTICS, INC**

Greater Kankakee Airport

813D East 4000 South / Kankakee, IL 60901

Phone: 815.939.1245 / Fax: 815.939.1259

Date: 05/18/01

Hobbs: 3239.7

AC TT:

LE TT: 2265.4

RE TT:

TSOH 562.4

CHECK COMPRESSION #1 77/80, #2 77/80, #3 74/80, #4 76/80, #5 74/80, #6 76/80.  
DRAINED OIL AND CHECK OIL SCREEN ADDED 12 QUARTS 100 W AERO SHELL.  
CLEANED AND GAPPED SPARK PLUGS AND CHECK MAG TIMING. INSTALLED  
NEW GASKET PN SA 534750 ON LEFT MAG. REPLACED TWO TANIS HEATER  
ELEMENTS PN TAS-100. CHECK INTAKE, EXHAUST, AND ELECTRICAL SYSTEMS  
C/W AD 77-13-22 ON CRANK CASE BY INSPECTION. (DUE AGAIN IN 100 HOURS).  
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH  
AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY  
CONDITION AS OF THIS DATE, 05/18/01.

DANE R. LAMONT A+P 334462628IA

*Dane R. Lamont*



# ENGINE MAINTENANCE LOG

## Description of Inspection, Repair and Overhaul

Enter here general data with reference to inspections, alterations and repairs and overhaul.  
 ALL DATA must be endorsed with the name, rating and certificate number of either the FAA  
 Repair Station or the mechanic.

DATE	ACCUMULATED TOTALS		Description of Inspection, Repair and Overhaul
	Hours	10ths	
2002 7/24	3258.62		<p style="text-align: right; margin-right: 50px;"><i>Installed new brake pads L&amp;R fluid</i></p> <p>Installed cessna oil filter adapter and complied with AD-96-12-22                      Installed tach drive and seal housing and seal. Installed valve cover gasket on #1 cylinder ground run leak OK. J.M. Van                      E.K. van Delden AP 563929131</p>
9/10	3264.77		<p>Removed safety wire installed new generator belt                      readjusted tension &amp; safety wire. J.M. Van                      E.K. van Delden AP 557345989</p>
10/7	3276.61		<p>Drained oil, Replaced Filter refilled 10 QTs Shell 15W50. J.M. Van                      E.K. van Delden AP 557345989</p>
<hr style="border: 1px solid black;"/>			
2003 2/8	T=3290.0 TSOH=612.7		<p>Replaced all push rod tube seals &amp; valve cover gaskets. Runup OK. No leaks. E.K. van Delden                      AP 557345989</p>
3/26/03	T=3312.3 TSOH=635.0		<p>R&amp;R oil cooler P/N 626189-RC. Changed oil and filter &amp; filled with 10 QTs 15W-50 AS. CUT OPEN filter, no metal found. Runup/leak check OK. E.K. van Delden                      AP 557345989</p>

CARRY ACCUMULATED TOTALS FORWARD TO TOP OF NEXT PAGE

DA  
70  
18

N. No: 3985Y  
Tach: 3352.1

Make: TCM  
Ser. No: 1068120-7-A

Model: I0520 A  
TT: 2377.8

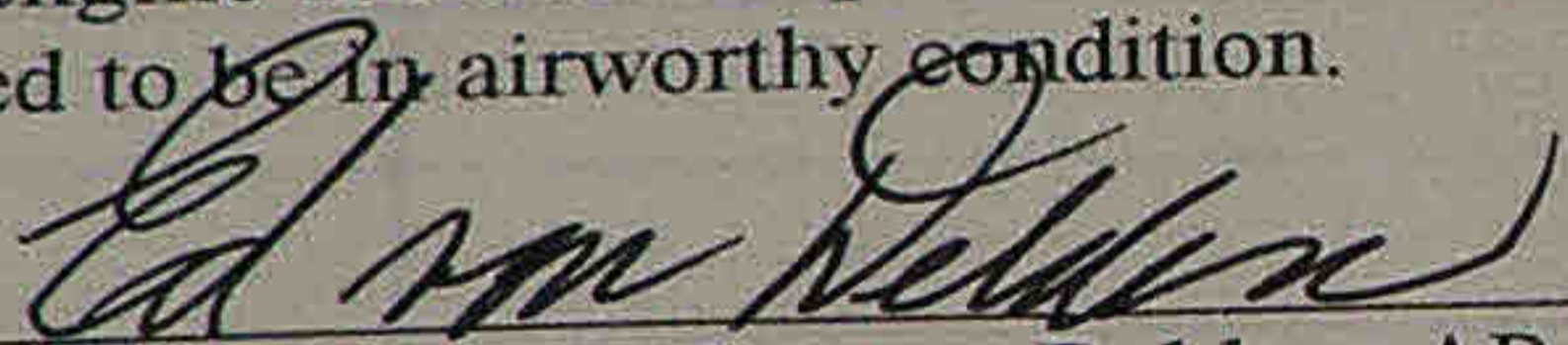
Date: 7/8/2003  
SMOH: 674.8

ction, Repair and Overhaul  
ctions, alterations and repairs and overhaul.  
ing and certificate number of either the FAA

Annual inspection completed this date. Compression: Cyls 1,2,4,6 @ 73/80 psi. Cyl 3 @ 72/80 psi and Cyl 5 @ 76/80 psi. Changed oil and filter, cut open old filter, no metal found. Engine serviced with 10 qts. Aeroshell 15W50. Cleaned fuel injectors. Replaced spark plugs. Installed M3081 point kit and K3823 distributor in RH mag. Re-timed to the engine. Repl. RH and LH air filter elements. Re-sealed oil temp sender. Oil filter saftied, engine ground run and leak checked ok.


I certify this engine has been inspected in accordance with a 100 hr inspection and was determined to be in airworthy condition.

Signature



Cimarron Air Inc

Ed von Delden AP 557345989

3/16/04	TACH 3428	Changed oil & filter. Cut open old filter, no evidence engine serviced with 10 qts Aeroshell 15W50. Operational/leak ck ok. Returned to service.
		E.K. von Delden  AP 557345

CARRY ACCUMULATED TOTALS FORWARD TO TOP OF NEXT PAGE

# ENGINE MAINTENANCE LOG

DATE	ACCUMULATED TOTALS		Description of Inspection, Repair and Overhaul
	Hours	10ths	
2004 5/29/04	344	1.0	<p>Overhauled engine I.A.W. TCM Mandatory Repl. Parts Service Bulletin SB97-6 dtd 4/7/97. Installed Phase II crankcase. O'hawl includes VAR crankshaft &amp; Engine Power Train components I.A.W. TCM Service Bulletin SB00-3. Engine o'hawl to IO-520-A per FAA E-50E Rev 25 Type Cert. For detailed parts replacement list, refer to Western Skyways, Montrose, CO, work Order number 17285, Repair Station WS9R575J. Engine oil temp gauge/sender o'hauled. Vacuum pump, hydraulic pump, starter and generator o'hauled. New belt. N. Installed Reiff Model TL6 Engine Preheat System per Mfr's instructions. I certify that this powerplant was o'hauled I.A.W. all known ADs &amp; Regs. Ops &amp; leak runup performed with 119T Shell 100 mineral oil, found airworthy to be returned to service.</p>

CARRY ACCUMULATED TOTALS FORWARD TO TOP OF NEXT PAGE

*E.K. van Delden*  
*E.K. van Delden*  
 AP 55745989

# ENGINE MAINTENANCE LOG

## Description of Inspection, Repair and Overhaul

Enter here general data with reference to inspections, alterations and repairs and overhaul.  
ALL DATA must be endorsed with the name, rating and certificate number of either the FAA  
Repair Station or the mechanic

DATE	ACCUMULATED TOTALS	
	Hours	10ths
2004 6/18/04 (11.8 hrs since overhaul)	3452.8	
8/12/04 (18.8 since last oil change)	3471.6	

Changed oil & filter. No metal found in filter. Filled with 119Ts Shell 100 mineral oil. ops/leak ck runup ok. Adjusted oil pressure to top of green arc at running temp. Return to service. E. von Delden AP 557345989

Annual inspection completed this date. Compressions #1 74/80, #2 76/80, #3 72/80, #4 73/80, #5 75/80, #6 72/80. Changed oil & filter. No metal found in filter. Filled with 119Ts Aero S. 15W-50 per Western Skyways direction. Checked engine ignition timing - ok. Runup & leak ck ok.

I certify this engine has been inspected IAW a 100 hr. inspection and found to be in airworthy condition.  
 E. von Delden

Ed von Delden AP 557345989

# ENGINE MAINTENANCE LOG

DATE	ACCUMULATED TOTALS		Description of Inspection, Repair and Overhaul
	Hours	Tachs	
2004 19			Enter here general data with reference to inspections, alterations and repairs and overhaul. ALL DATA must be endorsed with the name, rating and certificate number of either the FAA Repair Station or the mechanic.
09/22/04	3503.1	TACH	changed oil & filter. Filled w/ A/S 15W-50 ops/leak ck run-up (31.5 since last chg) OK. Returned to service E.K. van Delden AP557345989
01/19/05	3514.2		Replaced oil sump (pan) and heaters/thermostat. changed oil (11.1 since last chg) with A/S 15W-50. Retained existing filter from above. ops/leak ck run-up OK. Returned to service. E.K. van Delden AP 557345989
05/18/05	3561.9		changed oil & filter with 10 qts A/S 15W-50. ops/leak run-up OK. Filled hyd. res. Returned to service E.K. van Delden AP557345989
07/27/05	3619.2		changed oil & filter with 10 qts A/S 15W-50. Serviced spark plugs. 57.3 hrs since last chg compression test results: #1=76, #2=74, #3=75, #4=76, #5=72, #6=75 178.2 hrs since overhaul ops/run-up ck OK, returned to service E.K. van Delden AP557345989
22.2 " " "	3642.2		changed oil & filter with 11 qts A/S 15W-50. ops & leak ck OK. Filled hyd. res. returned to service E.K. van Delden AP557345989
14 Nov. 05			

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