

REPRODUCED FROM THE  
OFFICIAL RECORDS OF THE  
UNITED STATES GOVERNMENT

ENGINE: Type MENASCO Model PIRATE C 45 Serial No. 624  
Constructor's Name MENASCO MANUFACTURING COMPANY  
Date when first put into service N.R.

OWNER: Name J.P. TRAMETT, HEART ROAD  
Address RAAF BASE EAST SALE VIC 3852  
Nationality PO BOX 207 CHURCHILL VIC 3802

OWNER: Name GRAHAM Hoskins  
Address ELM CRT MT ENZA  
Nationality AUSTRALIAN

OWNER: Name  
Address  
Nationality

OWNER: Name  
Address  
Nationality

OPERATIONAL RECORD OF ENGINE

OVERHAUL PERIOD 500 hrs. 00 min. Hours

Installation

Total time since new NK hrs. 00 min.

Time to next complete overhaul 500 hrs. 00 min.

Engine installed in aircraft VH-AGW on (date) 30 SEP 78

Aircraft time engine due for overhaul 1603 hrs. 25 min.

Signature of person responsible for installation [Signature]

Licence or Certificate No. \_\_\_\_\_

Removal

Date of removal 18/6/95

Aircraft hours on removal of engine 1190 hrs. 00 min.

Engine hours since installation 87 hrs. 00 min.

Reason for removal Tapped Fuel line

Signature of person responsible for removal [Signature]

Licence or Certificate No. U2198

Installation

Total time since new NK hrs. 00 min.

Time to next complete overhaul 500 hrs. 00 min.

Engine installed in aircraft VH-AGW on (date) 1-8-96

Aircraft time engine due for overhaul 1690 hrs. 00 min.

Signature of person responsible for installation [Signature]

Licence or Certificate No. U2198

Removal

Date of removal \_\_\_\_\_

Aircraft hours on removal of engine \_\_\_\_\_ hrs. \_\_\_\_\_ min.

Engine hours since installation \_\_\_\_\_ hrs. \_\_\_\_\_ min.

Reason for removal \_\_\_\_\_

Signature of person responsible for removal \_\_\_\_\_

Licence or Certificate No. \_\_\_\_\_

Installation

Total time since new \_\_\_\_\_ hrs. \_\_\_\_\_ min.

Time to next complete overhaul \_\_\_\_\_ hrs. \_\_\_\_\_ min.

Engine installed in aircraft VH- \_\_\_\_\_ on (date) \_\_\_\_\_

Aircraft time engine due for overhaul \_\_\_\_\_ hrs. \_\_\_\_\_ min.

Signature of person responsible for installation \_\_\_\_\_

Licence or Certificate No. \_\_\_\_\_

Removal

Date of removal \_\_\_\_\_

Aircraft hours on removal of engine \_\_\_\_\_ hrs. \_\_\_\_\_ min.

Engine hours since installation \_\_\_\_\_ hrs. \_\_\_\_\_ min.

Reason for removal \_\_\_\_\_

Signature of person responsible for removal \_\_\_\_\_

Licence or Certificate No. \_\_\_\_\_



MAJOR REPAIR AND OVERHAUL RECORD

Detail of Work Done, &c.

Remarks and Signature

19/1/7

ENGINE RECONSTRUCTION OBSERVE MANUFACTURED SPECIAL  
MANUAL - APPLICABLE SERVICE BULLETIN & AIR INFORMATION  
SYSTEMS ALL PORT OF PART INFORMATION included.  
ENGINE FOUND IN EXCELLENT CONDITION & ALL IRONS & BOLTS 50 HRS  
WAS PRESENT UPON. ALL CRANKING FIRST REVISIONS OF THE NEW  
OIL & BASKETS.

MAIN BURNING TO FRONT.

1. 2.240. 21-2.241. 3-2.245. 4-2.240. 5-2.2395  
QUALITY NIL ALL SOJRNALS.  
CRANK PANT.

1-1990. 2-19895. 3-1990. 4-1.9897.

QUALITY .0005 ALL SOJRNALS.

ENGINE ASSEMBLED & TEST FOR 2 HRS ON  
SHAVE MAGNETOFT.

CERTIFY THAT ENGINE SERIAL NO 624 AM BORN  
RECONSTRUCTION IN SUCCESS.

Signature: [Signature] - 5107  
ALFA AVIATION SERVICES

MAJOR REPAIR AND OVERHAUL RECORD

Detail of Work Done, &c.

Engine fitted to VH-ACW in original R1A1 engine mount  
Overhauled magnetos (CFS Moorabbin) SN 29134 and 47841 Reborn

Note No VEL 3017 fitted and timed.  
100 hourly inspection carried out in accordance with

MRO 100-5-1 App 4.

Engine test run satisfactorily.

John Chapman 5/5/66

30 SEP 78

28. Nov. 89 Oil SHUT OFF COCK INSTALLED INSTALLED PEREGRINE ENGINEERING PT  
DRAWING No STM 74-003 HEADED INSTALLATION - OIL SHUT OFF COCK V1003  
Andrew D. J.

MAJOR REPAIR AND OVERHAUL RECORD

Detail of Work Done, &c.

IN CONJUNCTION WITH MAJOR INSPECTIONS / PERIODIC INSPECTION CARRIED OUT IAW  
 100.5.1 PARA 3.3 & APPENDIX 4. ADS CHECKED AD PFP #3. AD <sup>HP 35</sup>  
 DEFECTS. ADDITIONAL WORK CARRIED OUT. ALL HOSES REMANUFACTURED IAW  
 HOSE 3<sup>RD</sup> S. NEW NOSE COUPLER ATTACH BRACKET MANUFACTURED & FITTED OIL SUPPLY  
 REWORKED. LH MAGNETO RETIRED. ALL CYLINDERS REMOVED & INSPECTED.  
 ICEABLE RINGS FITTED ENGINE REASSEMBLED ENGINE TEST RUNS CARRIED OUT  
 THERMAL PRESSURE CHECK

2	3	4	5	6
70	76	74		

FOR AND ON BEHALF OF  
 HAWKER PACIFIC PTY. LTD.  
 D.C.T. APPROVAL NO. 2254

Mount

41 Return

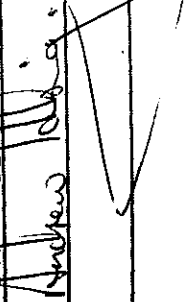
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Ref on 55/64

EP78

ENGINEERING PL

OFF COPY V1063

Andrew D. G.  


## MAJOR REPAIR AND OVERHAUL RECORD

Detail of Work Done, &amp;c.

22-7-92.

ANNUAL INSPECTION CARRIED OUT IAW. CAA MAINT. SCHEDULE

COMPRESSORS (1) 76 (2) 76 (3) 74 (4) 76. NEW ROLLER BEARINGS FITTED.

POINTS ADJUSTED L/H MAGNETO. MAGS. RE-TIMED. NEW PROPELLOR BOLTS FITTED.

AD/PFP/1(3) CARRIED OUT. GROUND RUN CARRIED OUT SATISFACTORI.

D. Summerhayes V12064.

FOR + ON BEHALF OF OLD AEROFLORE CO. TRASS.

3-10-93 ANNUAL INSPECTION CARRIED OUT. IAW. CAA. MAINT. SCHEDULE

COMPRESSORS - (1) 74 (2) 74 (3) 75 (4) 76

VALVE ROCKERS GREASED. TAPPETS ADJUSTED. AD/PFP/1 AWDTS CARRIED OUT.

GROUND - RUN SATISFACTORY.

D. Summerhayes V12064.

FOR + ON BEHALF OF OLD AEROFLORE COMPANY.

9-15-94. NO 2 CYL <sup>HEAD</sup> REMOVED. EX VALUE + SEAT FACED + GROUND IDROT + EXH

VALVES LAPPED. CYL HEAD RE-ASSEMBLED + INSTALLED. TAPPETS ADJUSTED + LUBED.

NEW PROP BOLTS FITTED. NEW FRICTION DISC FITTED TO PROP HUB. BOLTS

RE-TORQUED + TRACKING CHECKED AFTER FIRST FLIGHT

D. Summerhayes  
V12064.



MAJOR REPAIR AND OVERHAUL RECORD

Detail of Work Done, &c.

-10-94

SCHEDULE

ROCKERS BEARINGS FITTED.

PROPELLER BOLTS FITTED.

AEROSPAC TOOL/

112064

Aeroflame Co. TRABB.

A.P. MAINT SCHEDULED

P/I ANDERS CARRIED OUT

112064.

D Aeroflame Company

+ Grounds INLOT + EXHAUST

: ADJUSTED + LUBED.

PROP NUB. BOLTS

D Summary by  
112064.

ANNUAL INSPECTION CARRIED OUT IN AM CAA MAINT SCHED 5  
P/P/1 (3) CARRIED OUT. COMPRESSORS - ① 79 ② 79 ③ 77 ④ 78.

VALVE ROCKERS GREASED. TAPPETS ADJUSTED. GROUNDS RUN OK.

D Summary by 112064

FOR + ON BEHALF OF OLD AEROFAME COMPANY.

-3-95 - N° 2 CYLINDER REMOVED. RING GAPS FOUND ALIGNED - RINGS RE-POSITIONED  
CYLINDER RE-FITTED. ALL TAPPETS ADJUSTED. ROCKERS GREASED. N° 2 EXHAUST STUB  
END REPAIRED BY AEROSPAC WELDING R/NOTE A069966.

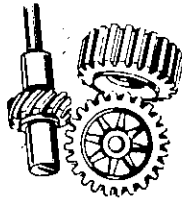
D Summary by 112064.

MAJOR REPAIR AND OVERHAUL RECORD

Detail of Work Done, &c.

**AIRCRAFT ENGINE WORKS AUSTRALIA**

42 CARINISH ROAD, SOUTH OAKLEIGH, VIC. 3167. Telephone: (03) 544 6176



Specialising in:-

ENGINE, CYLINDER HEAD & CRANKSHAFT MODIFICATIONS, COMPLETE ENGINE REBUILDS,  
CARBURETTORS, MAGNETOS, SPARE PARTS FOR GYPSY ENGINES.

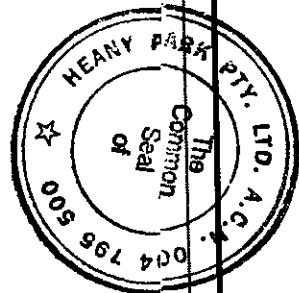
21-02-1996

THIS CONSTITUTES A LOG BOOK ENTRY  
MENASCO PIRATE C4S-3 ENGINE SERIAL NO.624.

Engine overhauled as per manufacturers manuals. New main bearings fitted and line bored to std. size. New big end bearings fitted and jig bored to std. size. New tappets and tappet guides fitted. Cylinders ground to .010 o/s, and new .010 pistons and rings fitted. New exh. and in. valves fitted and re-seated. Left and right magnetos overhauled. New coils and condensers fitted. New seals fitted. Engine assembled and test run. Oil pressure 45 p.s.i. Mag. drop at 1600 20 r.p.m. Left mag. SF4R-9 Serial NO.43188. Right mag. SF4R-9. Serial No.48279 - Spark plugs Rem 37B. Carburettor R5 Stromberg Serial NO.5596550. All relevant parts magnaflux inspected to ANO 1088 - 3.1.

AIRCRAFT ENGINE WORKS AUSTRALIA

C.A.A. APPROVAL No. 1294



MAJOR REPAIR AND OVERHAUL RECORD

Detail of Work Done, &c.

16 Engine installed in V4. After after ground Run up satisfactory

*[Signature]*

For and on behalf of The Old Aeroplane Co.  
Approval No. 1319  
Certified pursuant to CAR 42 ZE

*[Signature]*  
For Old Aeroplane Co.

2. In 300. Annual/Periodic Insp Is 1st sect 5. Components checked & 1. No. 3 80/90 2 100/105 4 110 Cyl No 3 removed due to bad compression

inlet Seal and Valve replaced by A.E.U.S. (valve End Valve and Seal removed) Cyl head re-installed. Torquet adjusted. HT leads R4 90° and 2 further to Land Ends Oil Changes (Rep Band) Filters Oil 300 and Fuel checked Torquet adjusted Rocker gear lubricator BQ/PEP/ B3 carried

For and on behalf of The Old Aeroplane Co.  
Approval No. 1319  
Certified pursuant to CAR 42 ZE

*[Signature]*

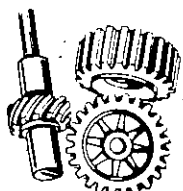
197 Compression Check (Yes) 19/80 (3/72) (4/80) Cyl Heads Tightened  
Valves clearance adjusted. Engine Run To

*[Signature]*  
For O.A.C

197 Cyl No 1. Exhaust Valve sticking checked Cyl head refitted  
Torquet adjusted Prop. air in filter  
Lub. and Run Satisfactory

*[Signature]*  
For O.A.C

IA



21-02-1996

land line bored

1 new .010

new seals fitted.

0 20 r.p.m.

- Spark plugs

MAJOR REPAIR AND OVERHAUL RECORD

Detail of Work Done, &c.

27/3/48 Fr. 432 Periodic/overhaul to 1000 hrs. 5

Exhd. Cyl head nuts re-tightened. Oil change carried out (Petrol 3000). Fuel system flushed thru carb. Tapped all valves, checked float valve, rocker gear lubricated.

*[Signature]*  
17 MAR. 27/3/48

For and on behalf of The Old Aeroplane Co.,  
Approval No. 1319  
Certified pursuant to CAR 42 ZE

5/10/48 Fr. 497. Periodic inspection to 1000 hrs. 5. commenced with Airframe repairs. Engine nose and rear panel Cyl No 1 removed due to low compression (ring seal in ring grooves). Cyl re-assembled with new pistons rings. Compression below other Cyl No 2 70% - 3 = 72% 4 = 73% Magnets timing adjusted. Oil changed, Cool up when. Prop dismantled and locked 1000 AD/PEP/ A3. Torque adjusted, lubricated. Props bolts magneture 190/108. *[Signature]* 5/10/48

For and on behalf of The Old Aeroplane Co.,  
Approval No. 1319  
Certified pursuant to CAR 42 ZE

8/7/49. Engine breather falling oil. Compression Cyl No 2 found to be 12/20 rings found and adjusted pistons. All cylinders removed incl pistons and Top Guard Co by A.E.W. (Markings of them) On return

MAJOR REPAIR AND OVERHAUL RECORD

Detail of Work Done, &c.

Under cover reassembled, and refitted to Engine, as per manual.  
 After one system disconnected. All oil screens inspected. Rocker arm  
 007. Spind plays cleaned, teeth righter. Proprietary install look for  
 H.T. System. Manifolds gassy, valve checked by USSS (see A/F logbook).  
 Oil Temp Systr checker is side. Oil Change Co. (Ren Bond)  
 engine run carriage out on completion. Man found & he satisfied  
 to finish details up to box

For and on behalf of The Old Aeroplane Co.  
 Approval No. 1319  
 Certified pursuant to CAR 42 ZE

*[Signature]*  
 17/198

8/7/49

14/49 To 16/49 Periodic inspection carried out 12/15/49. 5. incl 00/10/49, 1949 A. 5.  
 Note. Compressor had debris due to only 3 hrs since top % as above.  
 And every compressor satisfactory  
 May timing and point condition checked satisfactory

For and on behalf of The Old Aeroplane Co.  
 Approval No. 1319

Certified pursuant to CAR 42 AE  
 by A. W. M. J. T. S.

1000. Carburetor refitted after test & adjustment by A. W. M. J. T. S.  
 same works Australia. New CHT Probe & lead fitted. Job 813  
 one test Runs satisfactory. New CHT Probe & lead fitted. Job 813

*[Signature]*  
 1345 A/F

FINAL CERTIFICATION/CO ORDINATOR  
 For and on behalf of The Old Aeroplane Co.  
 Approval 4210-Certified pursuant to CAR 42 ZE

1345 A/F

ried and (Ren Bond)  
 res checked satisfactory

5. 2/13/49

concerned with

No. 1 removed the

re-assembled with

0-3 = 72/100 4 = 73/100

Man. Prop. 11/10/49

11/10/49  
 5/19/49

ie gland to be 12/20  
 red incl piston  
 2) On return

MAJOR REPAIR AND OVERHAUL RECORD

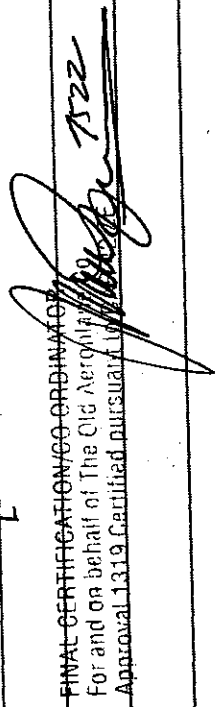
Detail of Work Done, &c.

3/1/2000 Tr. 846 Periodic Insp 90. Oil change fresh - looker replenisher  
 with Res Bond Pressure was scavange screens checked  
 All Prod nuts removed, cleaned, lubricated, refilled Tappet adjuster  
 Cyl Heads re-torqued AD/PFP/1 As prep at book checker  
 \* 50kpsi/insp. Eng Each Prod washed 80  
 AD/Eng 4 07% Compressor chad 1:76 2:75 3:75 4:76

 07/98 5/11/2000

FINAL CERTIFICATION/CO ORDINATOR  
 For and on behalf of The Old Aeroplane Co  
 Approval 1319 Certified pursuant to CAR 42 ZE

29/8/2001 Job N° 956 Periodic inspection carried out I.A.W. sched 5  
 AD ENG 4 / A7 carried out AD PFP/1 Para 2  
 prop bolts re-torqued

FINAL CERTIFICATION/CO ORDINATOR  
 For and on behalf of The Old Aeroplane Co  
 Approval 1319 Certified pursuant to CAR 42 ZE  
 7522

MAJOR REPAIR AND OVERHAUL RECORD

Detail of Work Done, &c.

102 ENGINE REMOVED AND REBUILT AFTER  
 1411-2. ENGINE FRAME REPAIRS, GROUND RUNS SATIS  
 J/A 9980 REFERS AIRMAN WEARING PROTECTIVE  
 GEAR # DA1 02/233 J/A 01/233

FOR AND ON BEHALF OF  
 UNLIMITED AERO MAINTENANCE PTY LTD  
 APPROVAL No. C562373  
 SIGNED: *[Signature]* DATE: 9-502

108 02. REPAIRS INSPECTION CARRIED OUT I.A.W. SCHEDULE 5. AD/ENG. 4/18  
 1411-1 CARRIED OUT AD/P-F-1/183 PROP BELTS TORQUE CHECKED SATIS.  
 COMPRESSOR CHECK - DIF PRESS AT 80 PSI - #1 77 #2 73 #3 76 #4 76  
 BOTH L&R MAGNETOS REMOVED, POINTS GAPS RESET TO 0.012", REFITTED  
 AND TONED I.A.W. MENSSES RPT. REFER WORK SHEETS J/A 99234  
 ENG GROUND RUN CARRIED OUT SATIS.

FOR AND ON BEHALF OF  
 UNLIMITED AERO MAINTENANCE PTY LTD  
 APPROVAL No. C562373  
 SIGNED: *[Signature]* DATE: 27-8-52

Order replenish  
 checker  
 up the Propellers  
 check

3-75 4-26

191 5/11/2000

I.A.W. sched 5

Para 2

MAJOR REPAIR AND OVERHAUL RECORD

Detail of Work Done, &c.

31 Aug 03  
 AF 1416.5 HRS  
 136.5 SMOH  
 Annul check carried out as per  
 CBS. All engines completed with and  
 found satisfactory. Compression 7.7, 7.2, 7.1  
 over 80 psi. Valves adjusted as per  
 engine runs carried out and found satisfactory.

FLYING FIGHTERS RESTORATION PTY LTD  
 SIGNED: *[Signature]*  
 1502303

10 Aug 04  
 136.5 SMOH  
 Fuel tank & engine hours adjusted due  
 to error page 43 AF log book NEM AF  
 TTS is 1335.25 - engine smoh is 136.5 HRS

For and on behalf of  
 FLYING FIGHTERS MAINTENANCE  
 & RESTORATION PTY LTD  
 APPROVAL No. CS62373  
*[Signature]*  
 1502303



MAJOR REPAIR AND OVERHAUL RECORD

Detail of Work Done, &c.

1704

Out AS per

1 with and

2, 22, 71

AS P.M.M.

FOUND SOPS

1340.45 HRS

AS per CBS, AD ENG 449

WITH COMPRESSIONS 1-72 2-74 3-74 4-74

DIFF AIR OIL SOPS: SPARE RUN CARRIED

OUT & FOUND SOPS, PREVIOUS WORK CARRIED OUT

AND ENTERED ON MK VALVE GEAR COBES AT 1434,

VALVES ADJUSTED 1437, 1430 HRS. FILE # 99446

REELS

*[Signature]* 150200 3 Sept 01

For and on behalf of  
FLYING FIGHTERS MAINTENANCE  
& RESTORATION PTY LTD  
APPROVAL No. C562373

29 Sept 05.

100 hourly Annual check carried out

1/FT15-1354.54 Cooper Casa shed 5. AD ENG 4 179 Completed

64.54 Engine House with. AD/PFR/PARA Completed with

Ground run carried out & found satisfactory Valve Gear

clearances checked. Valve Gear lubricated.

*[Signature]*

Staff of  
FLYING FIGHTERS MAINTENANCE  
& RESTORATION PTY LTD  
APPROVAL No. C562373

ADJUSTED DE

BOOK NEW AFF

1704 IS 136.5 HRS

MAJOR REPAIR AND OVERHAUL RECORD

Detail of Work Done, &c.

22/2/08

TV 172.54. ANNUAL INSPECTION CARRIES OUT AS PER LRS  
 AN Eng 4 AMT 10, NA PFP / CARRIES OUT VALVES  
 ADJUSTED AS PER PLAN COMPRESSIONS '72 276 75 78 ALL  
 OVER 80 PSI AVG ground max touch 5ATIN  
 AMT JOB No 1220 REFFERS

FOR AND ON BEHALF OF AMT HELICOPTER  
 PTY. LTD. APPROVAL / C410142

SIGN.  LIC 54/994 DATE 22/2/08  
 PURSUANT TO CAR 42 ZF

