





C & A AVIATION SDN BHD ENGINE TEST LOG

CRS REF NUMBER: CA / CRS / 003198

| JOB NUMBER: | AV0011 | MANUFACTURER: | LYCOMING | FCU TYPE: | INJECTOR | | | | | | | | | | | |
|--------------------------|------------------------|---------------|--------------|---------------------------|----------------|----------------------------|---------------|------------------|------|------------------------------------|------------------------------------|--------------------------|-----|-----------|-----|-----|
| ENGINE MODEL: | IO-540-AE1A5 | TYPE OF TEST: | OVERHAUL | PART NUMBER: | AV2576630-4 | | | | | | | | | | | |
| ENGINE SERIAL NO: | L-37412-48E | DATE OF TEST: | 30/08/2022 | SERIAL NUMBER: | AV50714435 | | | | | | | | | | | |
| DURATION IN MINUTE | TYPE OF FUNCTIONING | SPEC. RPM | TACH. RPM | MAN PRESS. (in. Hg) | OIL | | FLOW (PPH) | FUEL | | COMP DISCH PRESSURE (in. Hg) | CYLINDER HEAD TEMPERATURE (DEG. F) | | | | | |
| | | | | | PRESS (PSI) | INLET TEMP. (DEG. F) | | UNMETD | METD | | 1 | 2 | 3 | 4 | 5 | 6 |
| 05 | WARM UP | 1200 | - | 18.3 | 68 | 121 | 21.4 | 31.0 | 4.2 | - | 268 | 248 | 233 | 228 | 255 | 258 |
| 10 | RUN UP | 1500 | - | 19.5 | 70 | 132 | 27.2 | 30.5 | 4.2 | - | 274 | 270 | 284 | 299 | 301 | 312 |
| 10 | | 1800 | - | 22.0 | 73 | 156 | 50.0 | 29.0 | 4.2 | - | 271 | 284 | 307 | 304 | 321 | 310 |
| 10 | | 2100 | - | 23.5 | 72 | 161 | 64.0 | 28.5 | 5.0 | - | 289 | 295 | 324 | 319 | 331 | 342 |
| 10 | | 2400 | - | 25.5 | 78 | 172 | 88.0 | 28.0 | 5.0 | - | 317 | 324 | 347 | 351 | 350 | 364 |
| 20 | MAX RPM | 2800 | - | 29.8 | 83 | 187 | 143.0 | 26.5 | 7.8 | - | 356 | 366 | 371 | 378 | 379 | 381 |
| 15 | OIL CONS | 2800 | - | 29.8 | 83 | 181 | 11.4 | 31.0 | 4.2 | - | 357 | 371 | 388 | 369 | 381 | 377 |
| 05 | SLOW RUN | 750 | - | 18.0 | 55 | - | 11.4 | 31.0 | 4.2 | - | - | - | - | - | - | - |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| NOTES: | | | | | | | | | | | TESTER | | | INSPECTOR | | |
| CUSTOMER: AFJETS SDN BHD | | | | CYLINDER COMP. TEST (PSI) | | OIL CONSUMP. TEST | | IGNITION CHECK | | NAME: MAHENDRAN | | NAME: K.H. CHUI | | | | |
| | | | | 1 78/80 2 74/80 3 74/80 | | 0.48 LB / HR | | MAG: 2100 LT 100 | | SIGN: <i>[Signature]</i> | | SIGN: <i>[Signature]</i> | | | | |
| | | | | 4 74/80 5 76/80 6 74/80 | | @ 181 DEG F | | MAG: 2100 RT 100 | | | | | | | | |

| | | | | | |
|--|----------------|--|-------------|--|-------------------|
| 1. Country MALAYSIA | | 2. AUTHORISED RELEASE CERTIFICATE CAAM FORM 1 | | 3. Form Tracking Number M 007973 | |
| 4. Organisation Name and Address | |  C & A AVIATION SDN BHD Location: Lot AP5, Senai Aerospace Park 1, Senai International Airport 81250 Johor Bahru, Johor, Malaysia Telephone: (60) 07-5992895 Fax: (60) 07-5998825 E-Mail: sales@cnaaviation.com | | | |
| 6. Item | 7. Description | 8. Part Number | 9. Quantity | 10. Serial Number | 11. Status / Work |
| 01 | ENGINE | IO-540-AE1A5 | 01 | L-37412-48E (J/N AV0011) | OVERHAULED |
| 12. Remarks REFER CAACRS/003198 FOR DETAILS. | | | | | |
| 13a. Certifies that the items identified above were manufactured in conformity to: | | 14a. <input checked="" type="checkbox"/> CAR Reg 30; Maintenance release <input type="checkbox"/> Other Regulation specified in Block 12 | | | |
| <input type="checkbox"/> Approved design data and are in condition for safe operation <input type="checkbox"/> Non-approved design data specified in Block 12 | | Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12, was accomplished in accordance with CAA Malaysia Requirements, and in respect to that work, the items are approved for release to service. | | | |
| 13b. Authorised Signature | | 13c. Approval / Authorisation Number | | 14b. Authorised Signature | |
| | | | |  CHUI KUI HUNG | |
| 13d. Name | | 13e. Date (dd/mm/yy) | | 14c. Certificate / Approval Number | |
| | | | | AMO/2019/05 | |
| | | | | 14e. Date (dd/mm/yyyy) 01 SEP 2022 | |

QC / CA-1021 R4 (09/2021)

USER / INSTALLER RESPONSIBILITIES

1. THIS CERTIFICATE DOES NOT AUTOMATICALLY CONSTITUTE AUTHORITY TO INSTALL.
2. WHERE THE USER / INSTALLER PERFORMS WORK IN ACCORDANCE WITH THE REGULATIONS OTHER THAN THE AIRWORTHINESS AUTHORITY SPECIFIED IN BLOCK 1, IT IS ESSENTIAL THAT THE USER/INSTALLER ENSURES THAT HIS / HER AIRWORTHINESS AUTHORITY ACCEPTS ITEMS FROM THE AIRWORTHINESS AUTHORITY SPECIFIED IN BLOCK 1.
3. STATEMENTS IN BLOCKS 13A AND 14A DO NOT CONSTITUTE INSTALLATION CERTIFICATION. IN ALL CASES THE 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.

| | | | |
|--|--|----------------------|-------------------------------------|
| C & A AVIATION SDN BHD Lot AP5, Senai Aerospace Park 1, Senai International Airport, 81250 Johor Bahru, Johor, Malaysia E-mail: sales@cnaaviation.com | ENGINE / PROPELLER TYPE IO-540-AE1A5 | | CERT NO CA / CRS / 003198 |
| | SERIAL NO. L-37412-48E | | JOB NO. AV0011 |
| | | | PAGE 1 OF 3 |
| QUALITY CONTROL DEPARTMENT CERTIFICATE OF RELEASE TO SERVICE | MANUFACTURER LYCOMING | AIRCRAFT TYPE | REGISTRATION |

DETAILS OF WORK CARRIED OUT

A. ENGINE RECEIVED FOR INSPECTION, REPAIR AND OVERHAUL AS NECESSARY AFTER EXPERIENCED OCERSPEED AT TSN: 93.89 HRS.

B. ENGINE INSPECTED/REPAIRED/OVERHAULED I.A.W:-
 1) LYCOMING OVERHAULMANUAL NO: OHM-60294-7-14, JUL 2011
 2) COMPLIANCE OF LYCOMING SERVICE BULLETINS:-
 SB 369S - ENGINE OVERSPEED INSPECTION CRITERIA

C. THE FOLLOWING COMPONENTS WERE FITTED:-

| DESCRIPTION | PART NO.: | SERIAL NO.: | |
|----------------|---------------|-------------|--------|
| MAGNETO (LH) | BL-600616-9 | E22FA269R | (FOH) |
| MAGNETO (RH) | 10-600646-201 | E19EA127 | (OH) |
| STARTER | BC315-100-4 | 0416240411 | (INSP) |
| INJECTOR | AV2576630-4 | AV50714435 | (INSP) |
| MANIFOLD VALVE | AV2576526-1 | AV171462092 | (FOH) |
| CAMSHAFT | 15N26092 | 63547 | (OH) |
| CRANKCASE | 11E24106-S1 | K2001 | (OH) |
| ENG FUEL PUMP | 62B26931 | 0122L0079 | (FN) |

NOTE: This Certificate constitutes a Log Book Entry and must be affixed in appropriate Log Book.

The work recorded above has been carried out in accordance with the requirements of those as stated below for the time being in force and in that respect the aircraft equipment is considered fit for release to service.

SIGNED:
 FOR AND ON BEHALF OF
C & A AVIATION SDN BHD



DATE: 01 SEPTEMBER 2022

STAMP:

APPROVAL REF:

THE REQUIREMENTS OF
 THE CIVIL AVIATION AUTHORITY OF MALAYSIA
 APPROVAL NUMBER: AMO/2019/05

FORM NO. QC/C(A)-01-00A-01 B3 (11/2013)

| | | | |
|--|---|--|--------------------------------------|
| C & A AVIATION SDN BHD Lot AP5, Senai Aerospace Park 1, Senai International Airport, 81250 Johor Bahru, Johor, Malaysia E-mail: sales@cnaaviation.com | QUALITY CONTROL DEPARTMENT CERTIFICATE OF RELEASE TO SERVICE | | CERT. NO CA / CRS / 003198 |
| | | | JOB NO. AV0011 |
| | | | PAGE 2 OF 3 |

Continuation Sheet

D. THE FOLLOWING WORK DONE CARRIED OUT.

- CYLINDERS, PISTONS/PINS INSPECTED, HONED & LEAKAGE TEST CARRIED OUT.
 #1 S/N: 1926010550007 #2 S/N: 1926012357007 #3 S/N: 1926810915007
 #4 S/N: 1926110500007 #5 S/N: 1926110519007 #6 S/N: 1926811731007
- NDT-FERROUS (MPI)/NON-FERROUS (ZPI) PARTS CARRIED OUT.
- CRANKSHAFT DYNAMIC CWT BUSHINGS, ROLLERS REPLACED
- CON ROD LW-11750-S, 6 EA REPLACED, GRN: 952463-8/952394-1
- ROLLER TAPPET, LRT23381, 12 EA. REPLACED GRN: 952463-5
- PISTON RING KIT 05K22035 x 6 EA. FITTED GRN: 952463-6
- OVERHAUL MAGNETOS I.A.W. CMI X42002R4
 MAG (RH), 10-600646-201, S/N: E19EA127, J/N: AV0011B REFERS
- MAG (LH), BL-600616-9, S/N: E22FA269R FITTED GRN: 952498-1
- IGN HARNESS, 10-821671-2 (L&R) CHECKED AND FOUND SATISFACTORY. LH & RH #1 LEADS REPAIRED.
- ENG FUEL OUTPUT PRESSURE LOW. REPLACED WITH FN 62B26931, S/N: 0122L0079, GRN: 952406 REFERS
- MANIFOLD VALVE FUEL FLOW ERRATIC, REPLACED WITH FTY OHC AV2576526-1 S/N: AV171462092 GRN: 952507-1
- REPLACED FUEL NOZZLES WITH FN AV2524864-2, GRN: 952508-1
- REPLACED #1 CYL INLET P/ROD 15F28835-53, GRN: 952479-1
- REPLACED OIL PP HOUSING 78531 GRN: 952504-1 DUE TO LOW OIL PRESSURE.

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|  C & A AVIATION SDN BHD Lot AP5, Senai Aerospace Park 1, Senai International Airport, 81250 Johor Bahru, Johor, Malaysia E-mail: sales@cnaaviation.com | ENGINE / PROPELLER TYPE | | CERT NO. | CA / CRS / 003198 |
| | IO-540-AE1A5 | | JOB NO. | |
| | SERIAL NO. | | L-37412-48E | PAGE |
| QUALITY CONTROL DEPARTMENT CERTIFICATE OF RELEASE TO SERVICE | | MANUFACTURER | | REGISTRATION |
| | | LYCOMING | | |
| | | AIRCRAFT TYPE | | |

DETAILS OF WORK CARRIED OUT

E. DURING OVERHAUL FOLLOWING SB, SI, SL & FAA-ADs WERE CARRIED OUT AND/OR OBSERVED:-

- 1 SBs: 240W, 369S, 475C, 632B
- 2 SIs: 1011N, 1020B, 1029D, 1059E, 1123D, 1125D, 1154W, 1172C, 1191A, 1230B, 1241C, 1277A, 1285F, 1310A, 1324C, 1427C, 1458G, 1509, 1514D.
- 3 SLs: L180B
4. FAA-ADs:- 2017-16-11/SB 632B

F. ENGINE TESTED FOR 2 HOURS.

CYLINDER CR:-
 #1: 78.00 #2: 74.00 #3: 74.00
 #4: 74.00 #5: 76.00 #6: 74.00

G. ENGINE INHIBITED WITH AEROSHELL 2F ON 2022/08/30

H. PERTINENT DETAILS OF WORK DONE ARE ON FILE AT C & A AVIATION SDN BHD, MALAYSIA .

NOTE: This Certificate constitutes a Log Book Entry and must be affixed in appropriate Log Book.

The work recorded above has been carried out in accordance with the requirements of those as stated below for the time being in force and in that respect the aircraft equipment is considered fit for release to service

SIGNED:

FOR AND ON BEHALF OF
C & A AVIATION SDN BHD

DATE: 01 SEPTEMBER 2022


STAMP:



APPROVAL REF:

THE REQUIREMENTS OF
 THE CIVIL AVIATION AUTHORITY OF MALAYSIA
 APPROVAL NUMBER: AMO/2019/05

FORM NO. QC/CA/MI-08A-01 R3 (1/2013)

| | | | |
|--|---|----------|-------------------|
|  C & A AVIATION SDN BHD Lot AP5, Senai Aerospace Park 1, Senai International Airport, 81250 Johor Bahru, Johor, Malaysia E-mail: sales@cnaaviation.com | QUALITY CONTROL DEPARTMENT CERTIFICATE OF RELEASE TO SERVICE | CERT NO. | CA / CRS / 003198 |
| | | JOB NO. | AV0011 |
| | | PAGE | 2 OF 3 |

Continuation Sheet

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