

L-31208-36A

LYCOMING

O-360-A1AD

LIVRET DE MOTEUR
ENGINE LOG BOOK

MODE D'EMPLOI — INSTRUCTIONS FOR USE

Seules les inscriptions doivent être faites à l'encre
par le personnel qualifié du propriétaire, constructeur,
ou réparateur.

Aucune inscription ne doit être gommée ou grattée;
aucune page ne doit être arrachée.

Utiliser une ligne pour chaque période de fonctionne-
ment. Un vol d'instruction nécessitant plusieurs atter-
rissages sur le terrain de départ sera compté comme
un vol et inscrit en une seule ligne.

Les travaux d'entretien, remplacement de pièces ou
accessoires, modifications, révisions partielles ou
générales, nature et résultats des essais au banc ou en
vol consécutifs, précautions et temps de stockage avec
indication des vérifications périodiques, doivent être
mentionnés aux rubriques prévues à cet effet (éventuelle-
ment agraffer les listes de travaux, modifications,
pièces remplacées, procès-verbaux d'essais
aux pages correspondantes du livret).

Les cachets et signatures des constructeurs, répara-
teurs, doivent être apposés avant visa par
les représentants ou délégués des autorités compétentes.

Le livret doit être présenté à toute demande des
autorités qualifiées ou de leurs délégués.

- 1° The entries in this Log Book shall be made in ink by persons authorised by the owner, constructor or overhauler.
- 2° No entry shall be rubbed out or scratched out; no page shall be torn out.
- 3° One line shall be used for each period of running except in the case of instructional flights involving numerous landings on the same aerodrome; such flights may be counted as a single flight and given on a single line.
- 4° All details regarding maintenance, replacements of parts or accessories, modifications, minor or complete overhauls, type and results of bench tests or consequent flight tests, inhibiting processes and periods during which the engine is inhibited with details of periodic inspections shall be entered in the appropriate columns. Details of work done, modifications, replacement of parts, official reports of tests, etc., can be attached to the corresponding pages of this book. All entries shall be signed for and stamped with the official stamp of the manufacturer or overhauler before being endorsed by the representative or delegate of the approved authority.
- 5° This book shall be produced on demand for the inspection of any authorised person.

MOTEUR * ENGINE

N-106F

Numéro - Number

L-31208-36A

Marque - Make

LYCOMING

Type

0-360-A1AD

Construit par : LYCOMING
Maker

le : 1985
the

Documents présentés : Export Certif. of Airworthiness No E.210792 du 22.10.1985
Records submitted : <feuille d'essais au banc du 17.10.1985

Rappel des heures de fonctionnement
Record or running time

Depuis fabrication : 1 H 05
Since manufacture

Depuis révision : S-R
Since overhaul

Livret établi à : TARBES
Log Book established at : (Place and date)

le : 04.12.1985
the

BUREAU VERITAS (signature et cachet)
Signature and stamp of Issuing Authority, Bureau Veritas

L'EXPERT DU BUREAU VERITAS

J. CRESSEVER



AVCO LYCOMING WILLIAMSPORT DIVISION
AVCO CORPORATION
WILLIAMSPORT, PENNSYLVANIA 17701

ENGINE SERIAL NUMBER L-31-208-36A

IN SERVICE DATE

DETACH AND RETAIN THIS PORTION FOR YOUR RECORD

CARACTÉRISTIQUES - TYPE - TYPE CHARACTERISTICS



CONDITIONS	Puissance kW Power	Vitesse de rotation t/mn R.P.M
	134	2700
134	2700	



117 Kg
stane. 91/96 ou 100/130

T-001 (2-1-74)

CELL NO. 3-3 DATE 10-17-85
 ENGINE NO. L-31208-36A Lvc. Test Spec. 627
 MODEL CODE A1A0
 FUEL SYSTEM SERIAL NO. G-55-11601
 SETTING NO. 10-3878
 FUEL SYSTEM CURVE NO. 13095
 IGNITION SERIAL NOS.
 LEFT 85240348 DURL
 RIGHT
 TYPE OF RUN FINITE

PROD
Both Mag
Both Mag
Accelerat
Idle Cut
PROPELI

TIME	START RUN	START READ	SPEC SET POINT	ENG SPD RPM	DECK P IN HG'	NOZ P IN HG	MAN P IN HG	ORIF P IN HG	OIL P PSI	FUEL P PSI
08 05	08 09	1200	1205				16.5	30.0	72	5.0
08 10	08 19	1700	1712				14.3	30.0	76	5.0
08 20	08 29	2200	2203				20.2	30.0	80	5.0
08 30	08 34	T/A/E	1.23				16.7	30.0	56	4.0
08 35	08 39	5000	268				17.8	28.5	79	3.8
08 40	08 44	7000	2376				21.7	28.5	82	3.3
08 45	08 49	10000	2623				25.3	28.5	86	3.0
08 50	09 04	F-1	2686				26.2	28.5	82	3.0
09 05		STOP								

REMARKS:

The United States of America
 Department of Transportation
 Federal Aviation Administration
 Washington, D.C.

No. E-210792

Export Certificate of Airworthiness

This certifies that the product identified below and more particularly described in Specification (S) of

V

(1)

has been examined and as of the date of this certificate, is considered airworthy in accordance with a comprehensive and detailed airworthiness code of the United States Government, and is in compliance with these special requirements of the importing country filed with the United States Government, except as noted below. This certificate in no way attests to compliance with any agreements or contracts between the vendor and purchaser, nor does it constitute authority to operate an aircraft.

Product: Three Engines
Manufacturer: Avco Lyc. Williamsport Div., Avco Corp., Williamsport, Pa.
Model: O-360-ALAD

Serial No.: L-31208-36A, ~~L-31209-36A~~, ~~L-31210-36A~~

New Newly Overhauled

Used Aircraft

Country to which exported: France

Exceptions: None

D. W. Hamm
Signature of Authorized Representative

D. W. Hamm
October 22, 1985
Date

DMIR #1409 ANE-MIDO-41
District Office or Designee Number

For complete aircraft, list applicable specification or Type Certificate Data Sheet numbers for the aircraft, engine, and propeller. Applicable specifications or Type Certificate Data Sheet, if not attached to this export certificate, will have been forwarded to the appropriate governmental office of the importing country.



Références antécédents du moteur — Previous record of engine

Livret — Log Book No. 1


Situation du moteur par rapport aux modifications prescrites (1)
Modification State (1)

Heures connues à l'établissement du LM n° 1
Hours run when first Log Book established
Date dernière révision :
Date of last overhaul :
Usine révision :
Name of Overhauler :
Date dernier dégroupage :
Date of last top overhaul :
Atelier dernier dégroupage :
Name of Overhauler :
Délai de stockage maximum sans dégroupage avant mise en service :
Maximum period for which Engine may be inhibited and put into service without a top overhaul :
3 mois pour moteurs stockés courte durée,
Short-term storage : 3 months.
6 mois ou plus pour moteurs stockés longue durée (suivant conditions de stockage).
Long-term storage : 6 months.
(depending upon the inhibiting procedure used).


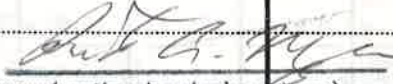
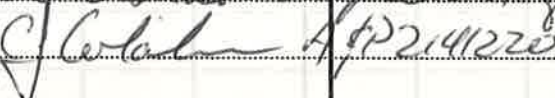
(1) Ces indications doivent être reproduites sur tous les livrets de rechange.
(1) Entries to be carried forward to all subsequent Log Books.

R SUR AÉRONEF — ENGINE INSTALLED IN AIRCRAFT

Immatriculé — Registration :

Temps fonction au sol Time run on ground	Temps en vol Time run in flight		Temps total depuis mise en service Total time run since new		Temps total depuis dernière révision générale Total time run since last complete overhaul		Observations sur le fonctionnement du moteur et accessoires Observations on the running of Engine and Accessories
	heures Hours	minutes Minutes	heures Hours	minutes Minutes	heures Hours	minutes Minutes	
0 ^h 30			1	05	S	R	Feuille de blanc Arrêté présent livret à la SOCATA le 13.02.86 au total de: 2 ^h 15 Visa du Contrôle Technique: 
	0	40	1	35			
			2	15			

TYPE ET N° (Aéronef) — Type and Serial Number of Aircraft

Dates Date	Détail travaux entretien — Dégroupages — Révisions partielles ou générales — Modifications — Stockage moteur et accessoires Particulars of maintenance, Top or Complete Overhauls, Repairs, Replacements, Modifications, including records of periods when engine and accessories are inhibited	Cachets — Signature — Réparateur Organisme de contrôle Commercial Stamp and Signature of Overhauler and Controlling Authority
01.86	Magneto n°: 85240248 non concernée par la CN 82.172 (BS BENDIX n°: 623) <div style="border: 1px solid black; padding: 5px; display: inline-block;"> SOCATA-CONTRÔLE QUALITÉ VÉRIFICATION ET ENTRETIEN STOCKAGE </div>	
4/9/86	Removed preservative from Fuel & oil systems, cleaned spark plugs & serviced engine with B&T's phillips 20/50 m oil ran engine, leak checked o.k. THREE WING CORP. OF CONN. MAIN HANGER SIKORSKY MEM. ARPT. STRATFORD, CONN. 06497	THREE WING AVIATION CERTIFIED REPAIR STATION E19-111 (authorized signature)  W.O. No. 3729
31/07/86	50.4 Inch - Changed oil & filter - Installed OE/11A oil filter & serviced w/ B&T's Aeroshell 40AD. Brand run ok - no leaks noted. Performed 50 by visual inspection of engine per Service Manual - 	

UR AÉRONEF — ENGINE INSTALLED IN AIRCRAFT

Immatriculé — Registration:

Temps fonction au sol Time run on ground	Temps en vol Time run in flight		Temps total depuis mise en service Total time run since new		Temps total depuis dernière révision générale Total time run since last complete overhaul		Observations sur le fonctionnement du moteur et accessoires Observations on the running of Engine and Accessories
	heures Hours	minutes Minutes	heures Hours	minutes Minutes	heures Hours	minutes Minutes	
102.0							CHANGED OIL & FILTER. SERVICED W/ 9 QTS AEROSHELL W 80. WEAR CHECK OIL SAMPLE # 539558 TAKEN. GROUND RUN-UP & LEAK CHECK O.K. ADISZ 40 3314
T 142.0							CHECKED COMPRESSION: ① 73/80 ② 76/80 ③ 74/80 ④ 74/80. CHANGED OIL & FILTER. TOOK OIL SAMPLE FOR ANALYSIS # 541813. FILLED SUMP WITH 3 QTS AEROSHELL W 100 AND 1 BOTTLE LW 16702 ADDITIVE, CLEAN & GAPPED SPARK PLUGS, CHECKED MAG TO ENGINE TIMING. VARSOL ENGINE, CHANGE AIR FOAM FILTER. RUN-UP LEAK CHECK O.K. ADS CHECKED THRU 86-22

WC-541813

b
1106F
- 31208-36A
/ 87

"Wear Check" sample mailers will be replaced with unused mailers if defective in manufacture, labeling, or packaging, or if lost by us or any associate company even though by negligence or other fault.
Except for such replacement, the sale, processing or other handling of these samples for any purpose is without other warranty or liability.

I certify that this ENGINE has been inspected in accordance with a ANNUAL inspection and was determined to be in airworthy condition.
Time 142 hours. Total time 142 hours.
Stuart Hornick A & P 216641916 F.A.

TYPE ET N° (Aéronef) — Type and Serial Nu

Dates Date	Détail travaux entretien — Dégroupages ou générales — Modifications — Stockage Particulars of maintenance, Top or Complete Overhaul, Modifications, including records of period accessories are inhibited
11/17/87 Total 177.26 Time	Engine will not start. Removed starter. Prestolite Ser # 710093. Record # 93522. Electrical Sys. P/N 204. Installed operational check o.k. Montgomery Aviation Sid Torres IA 1869455
12-23-87	TACH TIME 189.17 C WEARCHECK SAMPLE # WC-68 AD OIL AND (1) BOTTLE LW-1670

Mfg. PRESTOLITE Part No. MZ4222R
Serial No. 7100933 ES No. 2041
Model

MAINTENANCE RELEASE
The aircraft, airframe, aircraft engine, propeller, or appliance identified above was overhauled and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service.
Pertinent details of the overhaul are on file at this repair station under: **OCT 28 1987**
Order No. 16298 Date
Signed: Thomas Russell
P.O. Box 273 205/227-8306 TWX 810-744-3450
FORT DEPOSIT, AL 34032 U.S.A.
ELECTROSYSTEMS, INC.
F. A. A. APPROVED REPAIR STATION NO. 3779

Customer File Stub
Registration No. 1106F
Engine Serial No. L-31208-36A
Date Mailed 12-23-87
Inquiries 404-321-7909

WC-689092

"Wear Check" sample mailers will be replaced with unused mailers if defective in manufacture, labeling, or packaging, or if lost by us or any associate company even though by negligence or other fault.
Except for such replacement, the sale, processing or other handling of these samples for any purpose is without other warranty or liability.

WC- 875937

ub
106F
31208-36A
188

"Wear Check" sample mailers will be replaced with unused mailers if defective in manufacture, labeling, or packaging, or if lost by us or any associate company even though by negligence or other fault.

Except for such replacement, the sale, processing or other handling of these samples for any purpose is without other warranty or liability.

Immatriculé — Registration :

Observations
sur le fonctionnement du moteur et accessoires
Observations on the running of
Engine and Accessories

Time run on ground	flight		Total time run since new		since last complete overhaul	
	heures Hours	minutes Minutes	heures Hours	minutes Minutes	heures Hours	minutes Minutes
JUNE 17, 1988						
I certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in air-worthy condition. Time 235.3 hours. Total time 235.3 hours.						
	A & P	15240	3314	IA		
① 74/80	② 75/80	③ 73/80	④ 75/80			
19 OCT 88 Changed oil & filter - took wear check sample #WC 875617 serviced w/ 8 qts Aeroshell 80W - installed CFO 100 filter & added 1 bottle of LW 16702 additive ground run OK (total AP 214120)						
89 Tach 320.2 Drained oil, changed oil filter w/ CFO-100. Refilled with 8 qts 15W50 Aeroshell oil and 1 bottle of LW-16702 oil additive. William E. DeHaven A & P 220825109						

TYPE ET N° (Aéronef) — Type and Se

Customer File Stub

Registration No. N106F

Engine Serial No. L-81-208 36A

Date Mailed 6/19/89

Inquiries 404-321-7909

WC- 952532

"Wear Check" sample mailers will be replaced with unused mailers if defective in manufacture, labeling, or packaging, or if lost by us or any associate company even though by negligence or other fault.

Except for such replacement, the sale, processing or other handling of these samples for any purpose is without other warranty or liability.

Dates
Date

Détail travaux entretien — Détails
ou générales — Modifications —

Particulars of maintenance, Top or Com
Modifications, including records of periods when engine and accessories are inhibited

Commercial Stamp and Signature of
Overhauler and Controlling Authority

1 July 89	I certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in air-worthy condition. Time 340 hours. Total time 340 hours. A & P 15240 3314 IA 76/80 76/80 76/80 70/80 DIPSTICK TUBE, REPLACED CARB HEAT RETURN SPRING CW AD 87-10-06 LYCOMING ROCKER ARM BY REPLACEMENT OF ALL ROCKER ARMS & (4) FOUR PUSHRODS 1/16" LYC S/B 477A ONE TIME COMPLIANCE CW AD 89-04-02 MARVEL/SCHUBLER CARB BY REMOVAL & REPAIR BY FACET INDUSTRIES ON CARB 10-3878 SW G-55-11601 & REINSTALLED (TAG & RECEIPTS IN BACK OF LOG BOOK) ONE TIME COMPLIANCE	CHANGE OIL/FILTER CW WEAR CHECK OIL SAMPLE #WC 952532 SERVICED W/ 8 QTS AEROSHELL 15W50 GROUND RUN UP & OPERATIONAL CHECK O.K.
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UR SUR AÉRONEF —

Customer File Stub

Registration No. 106F
 Engine Serial No. L31208-36A
 Date Mailed 5/31/90
 Inquiries 404-321-7909

WC- 108170

"Wear Check" sample mailers will be replaced with unused mailers if defective in manufacture, labeling, or packaging, or if lost by us or any associate company even though by negligence or other fault.
 Except for such replacement, the sale, processing or other handling of these samples for any purpose is without other warranty or liability.

Temps fonction au sol Time run on ground	Temps en flight Time run		total time run since new		since last complete overhaul	
	heures Hours	minutes Minutes	heures Hours	minutes Minutes	heures Hours	minutes Minutes

Observations on the running of Engine and Accessories

Tach 395.5 Drained oil, changed filter, Took wear check sample #108170. Refilled with 8qts Aeroshell 100w oil + ① CW 16702 oil additive. Checked compression ① $\frac{75}{80}$ ② $\frac{75}{80}$ ③ $\frac{75}{80}$ ④ $\frac{76}{80}$
 Stop drilled crack in baffling cleaned, gapped & rotated spark plugs. CW AD 90-04-06 by inspecting prop governor oil line. Line uses all steel fittings & is properly secured - no further action required.

I certify that this Engine has been inspected in accordance with an Annual inspection and was determined to be in air worthy condition.
 Time 395.5 hours. Total time 395.5 hours
 William E. Brown A & P 220825108JA

TYPE ET No (Aér

Customer File Stub

Registration No. N106F
 Engine Serial No. L-31208-36A
 Date Mailed 6/24/91
 Inquiries 404-321-7909

WC- 114937

"Wear Check" sample mailers will be replaced with unused mailers if defective in manufacture, labeling, or packaging, or if lost by us or any associate company even though by negligence or other fault.
 Except for such replacement, the sale, processing or other handling of these samples for any purpose is without other warranty or liability.

Dates
Date

Détails
ou g

Particulars of maintenance, Top or Complete Overhauls, Repairs, Replacements, Modifications, including records of periods when engine and accessories are inhibited

Commercial Stamp and Signature of Overhauler and Controlling Authority

Réparateur
Contrôle

6/1/91 Tach 438.0 Drained oil + took wear check #114937, changed filter + Inspected suction screen. Refilled with 8qts Aeroshell 100w oil. + ① bottle CW 16702 additive. Compression checked ① $\frac{74}{80}$ ② $\frac{75}{80}$ ③ $\frac{74}{80}$ ④ $\frac{74}{80}$. Replaced missing rocker box screen + torqued all others. Cleaned, gapped & Rotated spark plugs. Ran up + took check.

I certify that this Engine has been inspected in accordance with an Annual inspection and was determined to be in air worthy condition.

Time 438.0 hours. Total time 438.0 hours
 William E. Brown A & P 220825108JA

JUN 04 1992 Tach time = 490.2 Hrs Installed new spark plugs Replaced induction air filter. Removed and then reinstalled starter after tightening housing bolts.

MECHANIC
 CENTRAL SKYPORT
 COLUMBUS, OHIO