

ENGINE S/N
L33980-S1E

AIRCRAFT TECHNICAL LOGS

Section 3. ENGINE

1. Approving agency: **Transport Canada**

Authorization Re-use Certificate
TCCA 24-0078



Federal Aviation
Administration

No. E 419143

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

Export Certificate of Airworthiness

This certifies that the product identified below and particularly described in Specification(s)¹ of the Federal Aviation Administration, Numbered **1E10** has been examined 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 those 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: **Aircraft Engine**

Manufacturer: **Lycoming Engines**

Model: **IO-360-M1A**

Serial No: **L-33980-51E**

New: Newly overhauled:

Used aircraft:

Country to which exported: **Canada**

Exceptions:

Note

F. Hill, Jr.

Signature of Authorized Representative

December 06, 2007

Date

ODARF830878NE

District Office or Designee Number

RECEIVED
JAN 08 2008
0806100Z

¹ For complete aircraft, list applicable specification or type certificate data sheet numbers for the aircraft, engine, and propeller. Applicable specification or type certificate data sheet numbers for the aircraft, engine, and propeller, if not attached to this export certificate, will have been forwarded to the appropriate governmental office of the importing country.
FAA Form 8130-4 (07-07) SUPERSEDES PREVIOUS EDITION

ENGINE LOG

1. Make LYCOMING
2. Model IO-360-M1A
3. Specification IE10
4. Manufacturer's Serial Number L-33980-S1E
5. Date of Manufacture _____
6. Aircraft Inspection Cycle _____

ENGINE SERVICE AND

INSTALLATIONS, INSPECTIONS,
REPAIRS AND AS MANY LINES AS REQUIRED FOR RECORD

DATE	TIME	MILES		OIL	FUEL	WATER	AIR	OIL	FUEL	WATER	AIR
		IN	OUT								
05/25/12	08:55			8 qts							

N308AM
 December 2, 2011 Diamond DA40 Engine Log
 Tach 509.8
 Checked with AD 2011-26-04 by inspection of fuel injection lines and clamps, next due at
 500 hrs. Replaced left magnet with Stock model 4370, SN 11070398, timed to engine
 checked all wires. Replaced oil filter. Serviced engine with 8 qts Aeroshell 15W50. Cleaned,
 repaired, and tested spark plugs. Run up and leak check normal.
 Roger D Tucker AP295629606A

05/25/12 08:55
 change engine oil 8 qts Aero Shell
 15W50. Run up & check for leaks
 Rod A Hogue 3436860

Engine logbook entry for N308AM S/N 40.908
 02/15/2012 Tach = 633.7 and is ETTIS

Drained oil and serviced with 7 qts of Aeroshell 15W50.
 Installed new AA48110-2 oil filter. C/W AD 2011-26-04,
 externally mounted oil lines IAW MSB 342E, AD was sat and
 is due again at #33.7. checked opposed & rotated
 all spark plugs

Brian S. Fisher
 Brian S. Fisher AP295629606IA

TOTAL THIS PAGE	
TOTAL FROM PREVIOUS PAGES	
TOTAL	
PAGES WTD	

CARRIED FORWARD

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS
 IN THESE COLUMNS. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE
 LICENCE NUMBER

Engine logbook entry for N308AM S/N 40.908
 05/25/2012 Tach = 676.6 and is ETTIS

Drained oil and serviced with 8 qts of Aeroshell 15W50.
 Installed new AA48110-2 oil filter, inspected old filter sat.
 Cleaned and inspected all fuel and oil screens. Compression
 checks were as follows: #1-76/80, #2-74/80, #3-78/80, #4-
 76/80. C/W AD 2011-26-04, externally mounted oil lines IAW
 MSB 342F, AD was sat and is due again at 776.6. Installed
 new REM38S spark plugs. Run up was normal and leak
 checks were satisfactory.

Brian S. Fisher
 Brian S. Fisher AP295629606IA

05/25 Tach 776.1 cleaned bottom spark plugs
 adjusted magnets timing on
 right side magnets, run up and
 leak check normal (Michael Kalle
 A&P 3161254)

05/25 Tach 721.3 Changed engine oil
 8 qts Aeroshell 15W50 Run up
 & check for leaks Rod A Hogue 3436860

12 Nov-12 Drained oil & serviced w/ 7 qts
 of Aeroshell 15W50. Installed new
 GH 48110 oil filter. C/W AD 2011-26-04
 IAW MSB 342E. Run up & leak check normal.
 Brian S. Fisher AP295629606

05/25/12 Tach 637.9 Change oil 8 qts Aeroshell
 15W50 Run up & check for
 leaks Rod A Hogue 3436860

Engine logbook entry for N308AM S/N 40.908
06/05/2013 Tach = 867.4 and is ETTIS

Drained oil and serviced with 7 qts of Aeroshell 15W50.
Installed new AA48110-2 oil filter, inspected old filter sat.
Cleaned and inspected all fuel and oil screens. Compression
checks were as follows: #1-75/80, #2-74/80, #3-77/80, #4-
74/80. CW AD 2011-26-04, externally mounted oil lines IAW
MSB 342F. AD was sat and is due again at 967.4. Cleaned,
gapped and inspected all spark plugs. Run up was normal
and leak checks were satisfactory.

Brian S. Fisher
Brian S. Fisher AP3671341A

Authorization Release Centre
TCCA 24-0078

25-13 Tach 918.4 Change oil 6qts Shell Aeroshell w/15W-50
Run up, check for leaks Robert A. Hagey Robert A. Hagey 3/4/2013

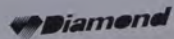
30 Jan 14 Tach = 968.8 Drained oil & serviced w/ 6qts of Aeroshell
15W50. Installed new AA48110-1 oil filter
Leak check sat *Brian S. Fisher* AP3671341

30 Jan 14 Tach = 968.8 CW AD 2011-26-04 externally mounted
injector lines, IAW 342F. AD was sat
and is due again at 1068.8. *Brian S. Fisher*
AP3671341

RECORD OF ENGINE AIRWORTHINESS DIRECTIVES (A/D), SERVICE BULLETINS (S/B),

DETAILS OF

DATE A/D, S/B, S/I, MODS



Date: 20 March, 2008 S/N: 40.908 Reg: N308AM
Engine S/N: L-33980-51E Eng TTSN: 4.3 HRS

The following S/B and S/I have been carried out as applicable:
 DAI SI 40-005/Lycoming SB 342E/AWD 93-02-05 Fuel Line(stainless steel tube assy.)
 and support clamp Inspection and Installation New – Due every 100 hours.
 SI 40-009(FAA AD 2002-26-01) – Externally mounted fuel injection lines – C/W
 DAI SI 40-010- Repair of certain injection servos – N/A due to S/N of unit.
 MSB 40-009 Improvement of ground-connection to Alternator – N/A by A/C S/N.
 MSB 40-012 Replacement of Mixture Control Cable-N/A as already Incorp.During mfg.
 Precision Airmotive Fuel Servo SB PRS-105 – N/A due to S/N of unit.
 Precision Airmotive LLC MSB-PRS-107 (FAA AD 2008-06-51) – Inspect RSA-5 Servo
 – Inspection C/W, brass regulator hex plug found NOT loose.
 Textron Lycoming MSB 565 – Replacement of Diaphragm-Type Fuel Pumps P/N LW-
 15473 with date code of 3201 – N/A as date code does not match installed on this A/C
 Textron Lycoming MSB 548A/DAI SI 40-023 – Diaphragm-Type Fuel Pump – with a
 date code of 0700 through 0401- N/A as date code does not match installed on A/C
 Textron Lycoming MSB 574A – Cylinder Stud Hole Cross-Threaded – N/A by eng S/N
 Textron Lycoming AD 2002-12-07-Prevent Complete loss of engine oil-N/A due to M/N
 Textron Lycoming AD 2002-12-07-Prevent Complete loss of engine oil-N/A due to M/N
 FAA AD 2008-06-51 (Precision Airmotive LLC MSB-PRS-107) – Inspect RSA-5 Servo
 – Inspection C/W. Repeat inspection required at every engine oil change or within
 every 50 hrs of engine run time, whichever occurs first.

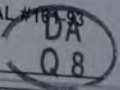
Bi-weekly AWD check carried out to current revision 2008-07

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

DIAMOND AIRCRAFT INDUSTRIES INC. D.O.T. APPROVAL #181-93

Signature *[Signature]*

Lic or Stamp



SPECIAL INSPECT WORK OR INSPECTIO

AIRWORTHINESS DIRECTIVE COMPLIANCE LIST

12/5/07 Page 1 of 2

AD No. / SB	Rev.	Description of Compliance Method	Engine SN	Once	Rec	Code	Sign
2006-09-14 517	A	CRANKSHAFT GEAR MODIFICATION AND ASSY PROCEDURES NEW PIN INSTALLED	N/A	X		1	3
2006-10-14 475	C	CRANKSHAFT GEAR MODIFICATION AND ASSY PROCEDURES NEW PIN INSTALLED	N/A	X		1	3
2006-10-11 408		CRANKSHAFT MODIFICATION AND ASSY PROCEDURES REPLACE CRANKSHAFT	N/A	X		1	3
2006-10-15 362		SENSE FUEL PUMP INS-43 INSP. OF MOD. OF FLOW DIVIDERS NEW PIN GASKET INSTALLED	N/A	X		1	3
03-11-11 N/A		AC. TEXTRON LYC FUEL PUMP OH BY AERO ACCESSORIES NEW AC F/P INST. WHEN APPLIC.	N/A	X		1	3
94-01-03 N/A	R2	DEFECTIVE IGN COILS AND ROTATING MAGNETS NEW CONFIGURATION PART INST.	N/A	X		1	3
94-06-09 517		INCOMPLETE INTERNAL GROUNDING ON MAG CAPACITORS NEW CONF. CAPACITORS INSTALLED	N/A	X		1	3
96-23-03 525	A	HIGH PRESSURE FUEL PUMP INSTALLED LW-15473 NEWLY MANUFACTURED PUMPS INST.	N/A	X		1	3
97-15-11 527	C	RECALL OF PISTON PIN P/N LW-14077 NEW CONFIGURATION P/N INST.	N/A	X		1	3
98-02-06 530	A	INSPECTION OF CRANKSHAFT ID FOR CORROSION MAG INSP. APPLY URETHABOND 104	N/A	X		1	3
2002-12-07 543	B	OIL FILTER CONVERTER PLATE GASKET REPLACEMENT NEW PIN CONVERTER PLATE INSTALLED	N/A	X		2	
2003-14-03 529	B	ROTARY FUEL PUMP TORQUE NEW PUMP WITH "M" SUFFIX INSTALLED	N/A		X	2	
2006-06-16 566 Sup 1		Replace crankshaft Crankshaft replaced	N/A		X	2	
2006-20-09 569	A	CRANKSHAFT REPLACEMENT REPLACE CRANKSHAFT	N/A	X		2	
64-16-05 298	Inactive	AC FUEL PUMP OIL SEAL NEW CONF. FUEL PUMP INSTALLED	N/A	X		2	
66-06-03 302	A	REPLACEMENT OF CONNECTING ROD ASSY. NEW ROD CONFIGURATION	N/A	X		2	
66-20-04 307		OIL FILTER ADAPTER GASKET NEW CONF. GASKET INSTALLED	N/A	X		2	
			N/A		X	2	

Codes:

- 1 AD Applicable to Engine
- 2 AD Not Applicable to Engine

DATE

JUL 08 11:00 AM '08

RECORD OF ENGINE AIRWORTHINESS DIRECTIVES (AD), SERVICE BULLETINS (SB),

DETAILS OF

SPECIAL INSPECTOR WORK OR INSPECTION

Date: 20 March, 2008 S/N: 40 908 Reg. N208AM
Engine S/N: L-33980-51E Eng TTSN: 4.3 HRS

The following SB and ST have been carried out as applicable:
DMSI 06-005/508mg SB 342E/AVD 95-02-05 Fuel Line/drainless steel line install
SB 342E/AVD 95-02-05 Fuel Line/drainless steel line install
SB 342E/AVD 95-02-05 Fuel Line/drainless steel line install
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DMSI 06-005/508mg SB 342E/AVD 95-02-05 Fuel Line/drainless steel line install
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