

ENGINE SERVICE A

Date: 8/13/2008, Aircraft: N894AM, Type: DA40, S/N: 40.794 Tach 117.5 Hobbs 155.6
Engine
Removed engine cowling. Removed, cleaned, inspected, and gapped spark plugs.
Re-installed plugs and engine cowling. Engine run-up ok.

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service. Pertinent details of the repair are on file at this repair station under W/O # 08-37427 dated 8-13-08.

Signed: [Signature]
Indianapolis Aviation, Inc./Indianapolis Metropolitan Airport
9913 Willowview Road, Fishers IN 46038
FAA Approved Repair Station #AIHR-109C

Date: 8/15/2008, Aircraft: N894AM, Type: DA40, S/N: 40.794 Tach 119.1 Hobbs 158.7
Engine

Adjusted idle rpm for higher idle rpm. Adjusted idle mixture accordingly for rise at idle cut-off. Adjusted left and right mag timing to 25 dg. Engine run-up and mag check ok.
C/W AD 2008-08-14, eff date 4/29/2008, by installation of new gasket, p/n 2577258 [AW/BS] PRS-107 Rev 2. This action is a terminating action. This AD supersedes AD 2008-06-51.
Run-up and leak check ok.

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service. Pertinent details of the repair are on file at this repair station under W/O # 08-37434 dated 8-15-08.

Signed: [Signature]
Indianapolis Aviation, Inc./Indianapolis Metropolitan Airport
9913 Willowview Road, Fishers IN 46038
FAA Approved Repair Station #AIHR-109C

11-19-2008 Tach time 156.2 N894AM SN 40.794 S/N L-33377-51E
Drained oil, removed & replaced oil filter, cut open oil filter & inspected, serviced with 8 qts Aeroshell 15w50. Ran up engine no leaks noted.

P. Douglas Miller
P. Douglas Miller
A&P 307789261

Date: 6/19/2009, Aircraft: N894AM, Type: DA40, S/N: 40.794
ETT 178.2, Tach 178.2, Hobbs 227.0
Engine

100 Hr Inspection completed. Changed oil and filter. Serviced engine with Aeroshell 15W50 oil. Washed engine w/solvent and lubricated controls. Cleaned suction screen. Run-up and leak check ok. No visible metal found in oil filter. Compression test over 80: #1 73, #2 75, #3 76, #4 74.
Tightened and safetied oil filter tube.
Removed and cleaned all fuel nozzles. Re-installed and torqued to mfr specs. Leak check ok.
Tightened oil sump bolts.
AD 2008-14-07, eff date 8/14/2008, Fuel Inj lines, C/W para (k) by inspection per MSB 342E. Insp ok. Next Insp due 278.2 Tach.
AD 2004-10-14, eff date 6/25/2004, Crankshaft gear bolt, due O/H or prop strike.
AD 2009-02-03, eff date 2/09/2009, Precision Airmotive fuel Inj servo, P/C/W 8/15/2008 at 119.1 Tach by installing servo plug gasket, p/n 2577258 per PRS-107 Rev 2. This satisfies PRS 107 Rev 4. No further action required. This AD supersedes AD 2008-08-14. Servo s/n is 70BN3105.

I certify that this Engine has been inspected in accordance with an ANNUAL 100 HR inspection and determined to be in airworthy condition. Pertinent details are on file at this agency under W/O # 09-38467.

Date: 6/15/2009
Signed: [Signature]
Indianapolis Aviation Inc./Indianapolis Metropolitan Airport
9913 Willowview Road Fishers IN 46038
FAA Approved Repair Station, AIHR-109C

Date: 10/3/2008 Aircraft: N894AM, Type: DA40, S/N: 40.794
Tach 142.7 Hobbs 185.1

Engine
Removed fuel servo. Precision model# RSA-5AD1, parts list# 2576568-1; s/n 70BN3105 and sent to G&N Aircraft for overhaul. Re-installed repaired fuel servo received from G&N Aircraft. See repair tag for details. Run-up/leak and ops check ok. Unit not overhauled

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service. Pertinent details of the repair are on file at this repair station under W/O # 08-37676 dated 10-03-08.

Signed: [Signature]
Indianapolis Aviation, Inc./Indianapolis Metropolitan Airport
9913 Willowview Road, Fishers IN 46038
FAA Approved Repair Station #AIHR-109C

Date: 2/10/2010, Aircraft: N894AM, Type: DA40, S/N: 40.794
Tach 242.2 Hobbs 300.4

Engine
Changed oil and filter. Serviced engine with Aeroshell 15W50 oil. Washed engine w/solvent and lubricated controls. Run-up and leak check ok. No visible metal found in old filter.

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service. Pertinent details of the repair are on file at this repair station under W/O # 10-39255 dated 2/10/2010.

Signed: [Signature]
Indianapolis Aviation, Inc./Indianapolis Metropolitan Airport
9913 Willowview Road, Fishers IN 46038
FAA Approved Repair Station #AIHR-109C

Date: 7/9/2010, Aircraft: N894AM, Type: DA40, S/N: 40.794
ETT 252.7, Tach: 252.7, Hobbs: 312.7

Engine
100 hr inspection completed. Changed oil and replaced oil filter (CH48110-1). Cleaned oil suction screen. Serviced engine w/ Aeroshell 15W50 oil. Insp old oil filter. Insp ok. Cleaned and gapped spark plugs. Cleaned fuel screens. Washed engine. Lubed controls. Run-up, leak check ok. Compression check over 80: 1) 77; 2) 75; 3) 78; 4) 74.
Re-timed left magneto to engine.
AD 2008-26-12, eff. date 2/4/2010, EC1 cylinders, N/A Lycoming cylinders installed.
AD 2008-14-07, eff. date 8/14/2008, Fuel injector lines, C/W para. (k) by Insp per MSB342E. Inspection ok. Next due 352.7 tach.
AD 2004-10-14, eff. date 6/25/2004, Crankshaft gear bolt, due upon prop strike.

I certify that this Engine has been inspected in accordance with an ANNUAL 100 HR inspection and determined to be in airworthy condition. Pertinent details are on file at this agency under W/O # 10-39182. Date: 7/9/2010

Signed: [Signature]
Indianapolis Aviation Inc./Indianapolis Metropolitan Airport
9913 Willowview Road Fishers IN 46038
FAA Approved Repair Station, AIHR-109C

100 HOURS BETWEEN OVERHAULS _____ HOURS.



A Textron Company

AIRWORTHINESS DIRECTIVE COMPLIANCE LIST

2/13/07

652 Oliver Street

Williamsport, PA 17701 U.S.A.

Engine Model No: IO-360-M1A

Engine SN: L-33377-51E

Page 1 of 2

AD NO. / SB	RV	Description / Method of Compliance	Next Due	Once	Rec	Code	Sign
2002-26-01 342	E	FUEL LINE AND SUPPORT CLAMP INSPECTION & INSTALL. NEW LINES INST. WITH NEW CLAMP	100 HOURS		X	1	3
2004-10-14 475	C	CRANKSHAFT GEAR MODIFICATION AND ASSY PROCEDURES NEW P/N INSTALLED	N/A		X	1	3
2005-19-11 566		Crankshaft replacement Replace Crankshaft	N/A		X	1	3
76-09-15 382		BENDIX FUEL INJ RS-43 INSP OF MOD OF FLOW DIVIDERS NEW P/N GASKET INSTALLED	N/A		X	1	3
93-11-11 N/A		AC, TEXTRON LYC FUEL PUMP O/H 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
98-23-03 525	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
88-02-08 530	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 P/N 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	
2006-10-21 N/A		ECI connecting rods P2N AEL11750 Used genuine Lycoming Parts	N/A		X	2	
2006-12-07 N/A		ECI Cylinder Assemblies P/N AEL65102 Used genuine Lycoming parts	N/A		X	2	
2006-20-09 589	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	

- Codes:
 1 AD Applicable to Engine
 2 AD Not Applicable to Engine
 3 Field Compliance where applicable



FORM FAAR (REV. 11/99)

DATE	A/D	S/B	S/I	MODS	SIGNATURE	LICENCE NUMBER

RECORD OF ENGINE
 AIRWORTHINESS DIRECTIVES (AD), SERVICE BULLETINS
 INSPECTIONS (S/I) AND MODIFICATIONS (MODS)

Date: 08 May 2007 SN: 40794 Reg: N5444
 Engine SN: L-33377-51E, Eng TTS: 45HRS
 The following SB and S/I have been carried out as applicable:
 DA1 S140-08-05 Lycoming SB 342E/AMD 98-02-05 Fuel Line Inspect
 and support clamp inspection and installation New - Oils 8/07

1. Approving Competent Authority / Country Zuständige Genehmigungsbehörde/Staat LUFTFAHRT – BUNDESAMT / Germany		AUTHORISED RELEASE CERTIFICATE <small>Autorisierte Freigabebescheinigung</small> EASA FORM 1 <small>EASA Formblatt 1</small>				3. Form Tracking Number Lfd. Formulardnummer 131/07	
4. Approved Organisation Name and Address: Name und Anschrift des genehmigten Betriebes MT-Propeller Entwicklung GmbH Airport Straubing – Wallmühle, D-94348 Atting, Germany					5. Work Order/Contract/Invoice Arbeitsauftrag/Vertrag/Lieferschein 20601284		
6. Item Lfd. Nr.	7. Description Beschreibung	8. Part No. Teil-Nr.	9. Eligibility(*) Verwendbarkeit	10. Quantity Anzahl/Menge	11. Serial/Batch-No. Werk-/Los-Nr.	12. Status/Work Zustand/Arbeiten	
1	MTV-Propeller	MTV-12-B/183-59b	Lyc. IO-360-M1A	1	070171	"MANUFACTURED"	
13. Remarks Bemerkungen New Propeller - propeller is disassembled for shipping - Blades: 1:YA-28504, 2: YA-28505, 3: YA-28506 Year of construction: 2007, TSN: 00:00 hrs. The propeller conforms with the FAA TCDS No. P25NE							
14. Certifies that the items identified above were manufactured in conformity to: Es wird bescheinigt, dass die oben aufgeführten Artikel hergestellt wurden in Übereinstimmung mit: <input checked="" type="checkbox"/> approved design data and are in condition for safe operation genehmigten Konstruktionsunterlagen und in einem Zustand für einen sicheren Betrieb sind <input type="checkbox"/> non-approved design data specified in block 13 In Feld 13 aufgeführten nicht genehmigten Konstruktionsunterlagen			<input checked="" type="checkbox"/> Part-145A.50 Release to Service <small>Freigabebescheinigung gem. Teil-145A.50</small> <input type="checkbox"/> Other Regulation specified in block 13 <small>Freigabebescheinigung gemäß anderer Feld 13 aufgeführter Vorschrift</small> Certifies that unless otherwise specified in block 13, the work identified in block 12 and described in block 13, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service. <small>Es wird bescheinigt, dass, sofern in Feld 13 nichts anderes bestimmt ist, die in Feld 12 aufgeführten und in Feld 13 beschriebenen Arbeiten in Übereinstimmung mit Teil-145 durchgeführt wurden, und dass die Artikel im Hinblick auf diese Arbeiten als geeignet für die Freigabe zum Betrieb betrachtet werden.</small>				
15. Authorised Signature Unterschrift der berechtigten Person <i>Gregor Paisdzior</i>		16. Approval/Authorisation Number Genehmigungs-/Zulassungsnummer DE.21G.0008		20. Authorised Signature Unterschrift der berechtigten Person		21. Certificate/Approval Ref No. Bescheinigungs-/Genehmigungs-nr.	
17. Name Name Gregor Paisdzior / 6235		18. Date (d/m/y) Datum (TTMMJJ) 18.Jan.07		22. Name Name		23. Date (d/m/y) Datum (TTMMJJ)	

RECEIVED
0703309

MTWICKLUNG GmbH
-B/183-59b
25NE

10171
3-59b
-28504
-28505
-28506

(*) Der Verwendereinbauende Betrieb ist verpflichtet, die Verwendbarkeit anhand der geltenden technischen Unterlagen zu überprüfen.
 (*) Installer must cross-check eligibility with applicable technical data

PROPELLER SERVICE AND MAINTENANCE RECORD

DATE	TIME RUN		TOTAL TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED</small>	REPAIRS, ADJUSTMENTS, MODIFICATIONS <small>DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.</small>	SIGNATURE	LICENCE NUMBER
	HRS.	MIN.	HRS.	MIN.				
BROUGHT FORWARD	→							
14Y 08 2007			0	0	PROPELLER INSTALLED NEW ON DA 40 HOURS BROUGHT FORWARD	→		DA Q 42

07-12-2007 Tach 23.3 Hobbs: 30.5 N894AM S/N 070171
I certify that I have inspected this Propeller in accordance with a 25 hr. inspection and find it in airworthy condition this date.

P. Douglas Miller

P. Douglas Miller
A&P 307789261 IA

07-26-2008 Tach time 114.4 N894AM SN 070171
I Certify that I have inspected this Propeller in accordance with an Annual inspection and find it in airworthy condition this date.

P. Douglas Miller

P. Douglas Miller
A&P 307789261 IA

Date: 6/19/2009, Aircraft: N894AM, Type: DA40, S/N: 40.794 PTT 178.2, Tach 178.2, Hobbs: 227.0
Prop
100 Hr inspection completed. Propeller determined to be airworthy.
Repaired chip in prop blade #3 trailing edge IAW MT Propeller SL32.

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service. Pertinent details of the repair are on file at this repair station under W/O # 09-38467 dated 6/19/2009.

signed: *[Signature]*
Indianapolis Aviation, Inc/Indianapolis Metropolitan Airport
9913 Willowview Road, Fishers IN 46038
FAA Approved Repair Station #AIHR-109C

TOTAL FROM PREVIOUS SUMMARY		
TOTAL SINCE MFG.		

Date: 7/9/2010, Aircraft: N894AM, Type: DA40, S/N: 40.794
PTT: 252.7, Tach: 252.7, Hobbs: 312.7
Prop
100 hr inspection completed and determined airworthy.

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service. Pertinent details of the repair are on file at this repair station under W/O # 10-39782 dated 7/9/2010.

signed: *[Signature]*
Indianapolis Aviation, Inc/Indianapolis Metropolitan Airport
9913 Willowview Road, Fishers IN 46038
FAA Approved Repair Station #AIHR-109C

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE

FliteLevel Extended Warranty™

WRT-1016825-C1

ACSN 00-79

GOODS 8/28/2009 THROUGH 1/28/2010

KENNETH ANDERSON

GARMIN

Tdata, Inc.

Tail #: **N894AM**
Serial #: **40 794**
Make: **Diamond**
Model: **DA40**

WEIGHT & BALANCE REVISION

Owner (s):
EMMK Resources LLC
Address:
5483 Kenwood PL
Carmel, IN 46033-8848

Dixie Chopper Air, LLC
102 Ballard Lane
P.O. Box 318
Greencastle, IN 46135
765-653-0070

Date: **12/21/2007**

W.O.#:

Prev. W & B on: **04/30/07**

Max. Weight: **2535.00**

FLT. C.G. **FWD** **AFT**

RANGE: **94** **100.4**

U.L.: **731.00**

E.W.: **1804.00**

E.W.C.G. **98.67**

MOMENT: **178007.90**

IF MAX. WT. INCREASE (+ lbs.): **111**

IF MAX. WT. DECREASE (- lbs.):

NEW MAXIMUM WEIGHT: **2646.00**

NEW USEFUL LOAD: **842.00**

NEW EMPTY WEIGHT: **1804.00**

NEW EMPTY WEIGHT C.G.: **98.67**

NEW MOMENT: **178007.90**

ITEMS REMOVED	SERIAL NUMBER	WEIGHT (- LB)	ARM* (+/-)	MOMENT (IN-LBS)	ITEMS INSTALLED	SERIAL NUMBER	WEIGHT (+ LB)	ARM* (+/-)	MOMENT (IN-LBS)
					Complied with OSB-40-057, increasing Gross Weight to 2646.				
TOTAL REMOVED EQUIPMENT					TOTAL INSTALLED EQUIPMENT				

Prepared by: **P. Douglas Miller**

Signature: *P. Douglas Miller*

Notes:

TO ENTER A "0" VALUE IN "ARM" ENTER .0001

Approved by: **P. Douglas Miller A&P307789261**

Signature: *P. Douglas Miller*

Date:

12/21/2007