

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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KTM Mid-Atlantic Engines Inc.

July 21, 2010

TACH TIME: 799.7

TSMO: 0

Completed major overhaul on Lycoming engine model O-360-E1A6D S/N RL-230-771 in accordance with Lycoming overhaul manual. Engine overhauled to new limits the following accessories were included with engine:

ITEM	PART#	STATUS	MODEL	SERIAL#
MAGNETO	BL68255A-14	REBUILT	BENDIX	G07J4111R
CARB	HA-6	O/H	PRECISION	75115801

Crankshaft s/n R43596-1 mains m.003 rods m.003 O/H by Rick Romans Inc. W/O 43596

CONTINUED NEXT PAGE

				<i>Left engine</i>	

The following work completed by R
Rockerarms magnafluxed, rebush
Conn. rods P/N 1W15788 magnaflux
Camsaft LW 16508 serial # R416
Cylinders were replaced with factor
Crankcase p/n 1681716816 s/n n/

Complied with the following AD's a:

59-10-07	N/A BY PARTS IN
66-20-04	N/A BY PARTS IN
75-08-09R3	N/A BY PARTS IN
80-14-07	N/A BY PARTS IN
92-12-05	N/A BY PARTS IN
96-09-10	N/A BY MODEL
98-02-08	C/W STAMPED P
2002-12-07	C/W GASKET
2006-06-16	N/A BY S/N

Michael K. Peters
A&P 449987998



Tests, Repairs and Alterations
 Name, Rating and Certificate Number of
 the back pages for other specific entries.)

6D S/N RL-230-777 in
 new limits
 EL SERIAL#
 DIX G07J5111R
 DISION 75115801
 Romans Inc. W/O 43596

The following work completed by Rick Romans Inc. W/O R43596
 Rockerarm's magnafluxed, rebushed and reconditioned as necessary
 Conn. rods P/N lw15788 magnafluxed, rebushed and reconditioned as necessary
 Camshaft LW 16508 serial # R41663-4 reground and overhauled
 Cylinders were replaced with factory new
 Crankcase pin 16817/16816 s/n n/n bpd123 O/H by C.S.I. w/o 13467

Complied with the following AD's as indicated

59-10-07	N/A BY PARTS INSTALLED	64-16-05	N/A BY PARTS INSTALLED
66-20-04	N/A BY PARTS INSTALLED	73-23-01R4	N/A BY PARTS INSTALLED
75-08-09R3	N/A BY PARTS INSTALLED	79-10-03R2	CW/BOLT TORQUE 360 IN
80-14-07	N/A BY PARTS INSTALLED	90-04-06R1	N/A BY MODEL
92-12-05	N/A BY PARTS INSTALLED	93-11-11	N/A BY PARTS INSTALLED
96-09-10	N/A BY MODEL	97-15-11	N/A BY PARTS INSTALLED
98-02-08	CW STAMPED P.I.D	98-17-11	N/A BY PARTS INSTALLED
2002-12-07	CW GASKET	2005-19-11	N/A BY S/N
2006-06-16	N/A BY S/N	2006-20-09	N/A BY S/N

Michael K. Peters
 A&P 449987998



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Frederick Flight Center, Inc., 330 Aviation Way, Frederick MD 21701 800-355-0620
 Tail Number: N79NA
 Hours: 799.7 Maint Hobbs

Removed LH engine O-360-E1A6D s/n L-357-7TT. Installed Overhauled engine O-360-E1A6D s/n PL 230-7TT from
 KTM Mid-Atlantic Engines on PA-44-180 s/n 44-7995307 N79NA. Installed overhauled engine mount, overhauled
 oil cooler, new engine shock mounts, new lines and hoses. Serviced engine with 6 Qts Aeroshell 100w mineral oil.
 Adjusted and set throttle and mixture. Operational and leak check good. -----END-----

M.V. Stanfield *M.V. Stanfield* A&P3355748 Date 8-2-10

9-2-10	824.5	MAINT HOBBS		<p>CLW AD 80-04-03 R2 B; INSPECTION of SUMP SCREEN NO DEFECTS NOTED. NEXT DUE @ 8500 MAINT HOBBS DRAINED OIL, REPLACED OIL FILTER & SERVICED ENGINE WITH 6QTS AEROSHELL 100W MINERAL OIL PLUS 10oz CUD16702 OIL ADDITIVE. OPS & LEAK CHECK GOOD ----- <i>M.V. Stanfield</i> APP 3355748</p>
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YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE
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10-2-10 846.0 1540 46.3



Frederic
 Tail Nurr
 Tach: 861

1
 CMW annual inspection of engine 1A
 77/80-4-74/80 service engine with
 CMW ground run-up operational & le
 tach time. I certify that this engine i
 airworthy condition. -----

Jonathan chantlo

Jonathan chantlo

ts, Repairs and Alterations
 ating and Certificate Number of
 pages for other specific entries.)

derick MD 21701 800-355-0620

-360-E1A6D s/n FL 230-771 from
 auled engine mount, overhauled
 S Qts Aeroshell 100w mineral oil.
 END

INSPECTION of SUMP SCREEN
 @ 8500 MANT HOBBS
 TER & SERVICED ENGINE
 OW MINERAL OIL PUDS

OPS & LEAK CHECK
 END
 CM.V. S. [Signature]
 APP 3335748

YEAR 2010 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
10-2-10	846.0	15ND 46.3		Performed 50hr oil change. Serviced engine with 6 qts Aeroshell 100 oil and oil filter #102448104. Completed with AD 80-04-03 R2 by visual inspection of sump screen next due @ 846.0. <i>Jacault Beaumont APP 3157259</i>

Entry in Error



Frederick Flight Center, Inc., 330 Aviation Way, Frederick MD 21701 800-355-0620
 Tail Number: N79NA
 Tach: 860.7 Maint Hobbs

CMW annual inspection of engine IAW FAA approved check list. Compressions as follows: 1-74/80 2-73/80 -3-
 77/80 4-74/80 service engine with 8 QT of aero shell 100 straight mineral oil. Replaced engine induction air filter
 CMW ground run-up operational & leak check OK. CMW AD 80-04-03 R3by inspection of oil screen, next due at 910.7
 tach time. I certify that this engine has been inspected IAW a annual inspection and was determined to be in and
 airworthy condition. END

Jonathan chantlo

A&P 3177873 IA 07/11/2011

YEAR	RECORDING TACH	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations <small>Entries must be endorsed with Name, Rating and Certificate Number.</small>
				KTM Mid-Atlantic Engines Inc.

Jan 13, 2011

TSMO 61.0 *total time 860.7*

Completed TDI on Lycoming O-360-E1A6D S/N RL-230-77T
Crankshaft S/N R46040-1 polished main and rods already m.003
Work done by Rick Romans W/O: 46040 all steelwork magnfluxed
Engine reassembled back to factory new tolerances

AD's Complied with as indicated:

2006-20-09	N/A BY PARTS INSTALLED	2006-06-16	N/A BY PARTS INSTALLED
2005-19-11	N/A BY PARTS INSTALLED	2002-12-07	CMW GASKET
98-02-08	N/A BY MODEL	97-15-11	N/A BY PARTS INSTALLED
93-11-11	N/A BY PARTS INSTALLED	92-12-05	N/A BY PARTS INSTALLED
90-04-06R1	N/A BY MODEL	80-14-07	N/A BY PARTS INSTALLED
79-10-03R2	CMW MOUNT BOLTS	73-23-01	N/A BY PARTS INSTALLED
98-17-11	N/A BY PARTS INSTALLED	75-08-09	N/A BY PARTS INSTALLED

Michael K Peters
A&P 449987998



YEAR	RECORDING TACH	TODAY'S FLIGHT



Removed LH engine O-36 inspection and repair. Re-installed engine using exit with 6 QTS Aeroshell 80W

M.V. Stanfield



1



CMW annual inspection of e 75/80. Service engine with 80-04-03 R3 by inspection been inspected IAW an am

Jonathan Chanto

Tests, Repairs and Alterations
 antic Engines Inc.

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Frederick Flight Center, Inc., 330 Aviation Way, Frederick MD 21701 800-355-0620
 Tail Number: N79NA
 Tach: 860.7 Maint Hobbs

Removed LH engine O-360-E1A6D s/n RL 230-77T from PA 44-180 s/n 44-7995307 N79NA for prop strike inspection and repair. Re-installed Same engine on PA 44-180 N79NA after repair by KTM Mid-Atlantic Engines. Installed engine using existing engine mount and shock dampners. Installed overhauled oil cooler. Serviced engine with 6 QTS Aeroshell 80w mineral oil. Operation and leak check good.

M.V. Stanfield *M.V. Stanfield* A&P 3355748 03/11/2011



Frederick Flight Center, Inc., 330 Aviation Way, Frederick MD 21701 800-355-0620
 Tail Number: N79NA
 Tach: 860.7 Maint Hobbs

CW annual inspection of engine IAW FAA approved check list. Compressions: 1-77/80.2-75/80.3-77/80.4-75/80. Service engine with 8 QTS of aero shell 100 straight mineral oil. Replaced engine induction air filter. CW AD 80-04-03 R3 by inspection of oil screen, no defects noted. Next due @ 910.7 tach time. I certify that this engine has been inspected IAW an annual inspection and was to determined to be in airworthy condition Ground run-up OK.

Jonathan Chanto *Jonathan Chanto* A&P 3177873 IA 07/11/2011

- 16 N/A BY PARTS INSTALLED
- 07 CW GASKET
- N/A BY PARTS INSTALLED
- N/A BY PARTS INSTALLED
- N/A BY PARTS INSTALLED
- N/A BY PARTS INSTALLED
- N/A BY PARTS INSTALLED

77T
 m.003
 gnfluxed

YEAR 2011 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
8-11-11	876.1 15.4	tach time tSMO		Clw AD 80-04-03 Q3 by inspection of oil Screen no defects noted next Dec @ next oil change -END - APP APP 3177873
8-11-11	876.1 15.4	tach time tSMO		Drain oil and change oil filter service Engine with 6 qts of aeroshell straight mineral oil. OPS & leak check OK. -END - APP APP 3177873

YEAR 2011 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE
8-31-11	908.4	477	smat
11-15	951.34	90.64	SM

Tests, Repairs and Alterations
 ne, Rating and Certificate Number of
 back pages for other specific entries.)

3 by inspection of oil
 filter next due @ next oil change
 #A86299-008

change oil filter service
 kit of aeroshell straight
 & leak check OK. - 520-

APP 3177873

YEAR 2011 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections Entries must be endorsed with Name Technician or Repair Facility. (See
8-31-11	908.4	477	524	CH AD 80-04-03 REPLACED OIL FILTER SCREEN WITH NO ENGINE WITH CO OK NEXT DUE @ & LEAK CHECK G
11-15	951.34	90.64	524	Replaced Front P/N A86299-008

QA-16
 [Signature]

Aerospace Welding Minneapolis Inc.
 1045 Gemini Road
 Eagan, MN 55121
 (651) 379-9888

FAA-PMA
 Approved

Approved Replacement for:
 Piper 86299-002, 86299-007,
 & 86299-008:

13000
 Part Number:
 A86299-008

Installation
 Eligibility MODEL:
 PA-44-180 S/N 44-7995001 - 44-
 8195026, 4495001 - 4495013, and
 4496001 and up

YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>



Frederick Flight Center, Inc., 330 Aviation Way, Frederick MD 21701 800-355-0620
 Tail Number: N79NA
 Tach: 957.5 TSMO: 157.8 hobbs: 681.6

CAW 100 hour's inspection of engine. Compressions as follows: 1-75/80, 2-75/80, 3-78/80, 4-76/80. Drain oil and changed oil filter service engine with 6 QTS of aero shell 80 plus oil. CAW AD 80-04-03 R3 by inspection of oil sump screen no defects noted, next due @1007.5 tach time. Removed corrosion on induction air filter cover and applied alodine. Replaced primer lines on cylinders #2, 4. Removed primer spray nozzles cleaned and re-installed nozzles, fuel leak check ok. I certify that this engine has been inspected IAW a 100 Hour inspection and was determined to be in airworthy condition. Ground run-up and leak check OK. END

Jonathan Chanto

A&P 3177873 12/10/2011

YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE

Tests, Repairs and Alterations
 (Rating and Certificate Number of
 back pages for other specific entries.)

Frederick MD 21701 800-355-0620

75/80.3-78/80.4-76/80. Drain oil and
 80-04-03 R3 by inspection of oil sump
 in induction air filter cover and applied
 nozzles cleaned and re-installed nozzles,
 our inspection and was determined to be

011

YEAR	RECORDING	TODAY'S	TOTAL
DATE	TACH	FLIGHT	TIME IN
	TIME		SERVICE

Description of Inspections, Tests, Repairs and Alterations
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 Technician or Repair Facility. (See back pages for other specific entries.)



Frederick Flight Center, Inc., 330 Aviation
 Way, Frederick MD 21701 800-355-0620

LI Engine Log Entry
 Date: March 13, 2012 Tach Time: 1004.3 Registration #: N79NA
 TSMOH: 204.6 Total Time: _____ Make/Model: O-360-E1A00
 SNR: RL-230-77T

- Drained oil and removed oil filter. Cut open and examined oil filter. NDI on the oil filter.
- CWV AD 80-04-03 by removing, examining, and reinstalling oil sump screen, sump screen free of debris next inspection due @ 1104.3 tach.
- Serviced engine with 6 quarts of Aeroshell 100 plus oil. Installed new engine oil filter pin 41104.
- Installed new ferrits on engine primer lines.
- Fan and leak checked engine. Operational check satisfactory.

MAINTENANCE RELEASE

The engine and/or component identified above was repaired and inspected in accordance with
 current Federal Aviation Regulations and was found airworthy for return to service with respect to
 the work performed.

Signed *D. J. ADKINS* 10P324728

Continued on next page

YEAR _____
TACH _____
DATE _____



Frederick Flight Center, Inc., 330 Aviation Way, Frederick MD 21701 800-355-0620.

Alterations
to Number of
specific entries.)

YEAR _____
TACH _____
DATE _____



LH Engine Log Entry
Date: October 19, 20
TSMOH: 299.3

- Drained oil and removed oil filter. Cut open and examined oil filter. NDIH on the oil filter.
- CW/ AD 80-04-03 by removing, examining, and reinstalling oil sump screen, sump screen free of debris next inspection due @ 1100.10 tach.
- Serviced engine with 6 quarts of Aeroshell 100 plus oil. Installed new engine oil filter p/n 48104.
- Secured LH oil cooler to #3 cylinder battle with new rivets.
- Installed new ferrets on engine primer lines as necessary.
- Ran and leak checked engine. Operational check satisfactory.

MAINTENANCE RELEASE
The engine and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service with respect to the work performed.

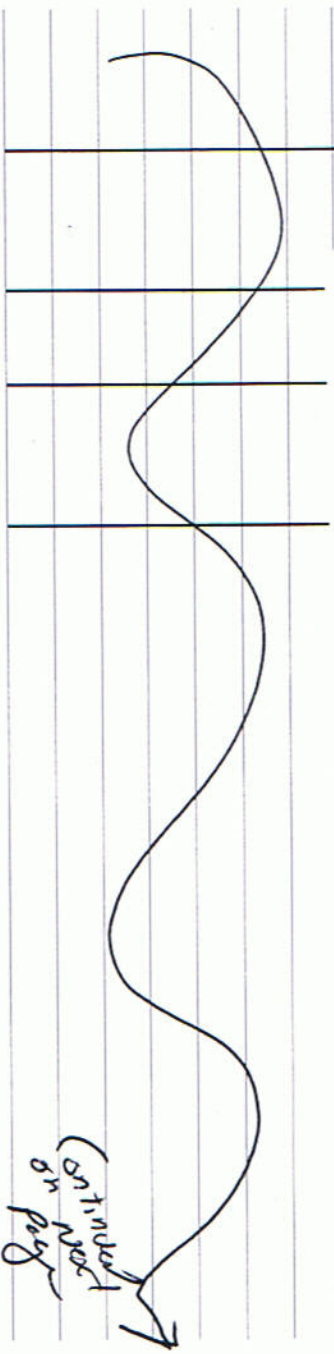
Signed _____

LH Engine Log Entry
Date: July 23, 2012
TSMOH: 250.4

- ~~C/W 490th inspection of engine~~ Annual/100hr inspection of basepin *etc*
- Total Time: Hobbs: 850.7 Tach Time: 1050.1 Registration #: N79NA Make/Model: O-360-E1A6D S/N: RL-230-77T
- Drained oil and removed oil filter. Cut open and examined oil filter. NDIH on the oil filter.
- CW/ AD 80-04-03R2 by removing, examining, and reinstalling oil sump screen, sump screen free of debris next inspection due @ 1100.10 tach.
- Serviced engine with 6 quarts of Aeroshell 100 plus oil. Installed new engine oil filter p/n 48104.
- Secured LH oil cooler to #3 cylinder battle with new rivets.
- Installed new ferrets on engine primer lines as necessary.
- Ran and leak checked engine. Operational check satisfactory.

MAINTENANCE RELEASE
The engine and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service with respect to the work performed.

Signed *W. L. M. APPENDIX A*



enter, Inc., 330 Aviation
D 21701 800-355-0620.

Registration #: N79NA
Make/Model: O-360-E1A6D
S/N: RL-230-77T

NDN on the oil filter.
sump screen, sump screen free
new engine oil filter p/n 48104.

inspected in accordance with
return to service with respect to the

Alterations

(e Number of
specific entries.)

YEAR

DATE

REC
TAC
TIM

LH Engine Log Entry
Date: October 19, 2012
TSMOH: 299.3

Hobbs: 922.9
Tach Time: 1099.0
Total Time: _____

Registration #: N79NA
Make/Model: O-360-E1A6D
S/N: RL-230-77T

- Drained oil and removed oil filter. Cut open and examined oil filter. NDN on the oil filter.
- CW AD 80-04-03 by removing, examining, and reinstalling oil sump screen, sump screen free of debris next inspection due @ 1104.3 tach.
- Serviced engine with 6 quarts of Aeroshell 100 plus oil. Installed new engine oil filter p/n 48104.
- Ran and leak checked engine. Operational check satisfactory.

MAINTENANCE RELEASE

The engine and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service with respect to the work performed.

Signed _____

Alterations

(e Number of
specific entries.)

YEAR

DATE

REC
TAC
TIM



Frederick Flight Center, Inc., 330 Aviation
Way, Frederick MD 21701 800-355-0620.

(Continued on page 8)