

Right engine

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.)

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

KTM Mid-Atlantic Engines Inc.

July 21, 2010

TACH TIME: 799.7 TSMO: 0

Completed major overhaul on Lycoming engine model LO-360-E1A6D S/N RL-232-72T in accordance with Lycoming overhaul manual. Engine overhauled to new limits the following accessories were included with engine.

| ITEM | PART# | STATUS | MODEL | SERIAL# |
|---------|-------------|---------|-----------|-----------|
| MAGNETO | BL682555-15 | REBUILT | BENDIX | G07HA041R |
| CARB | HA-6 | O/H | PRECISION | 7512613 |

Crankshaft s/n R43597-1 mains m.003 rods m.003 O/H by Rick Romans Inc. W/O: 43597

CONTINUED NEXT PAGE

Inspections, Tests, Repairs and Alterations
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this Engine has been
 accordance with a 100 HRS
 and was determined to be

by condition. Date 5-13-10
 time 780.2 total time 8725.4

[Signature] AEP 472873

and change oil Filter service
 with 6 qts of overshell 100 Plus oil
 -75/80. 2-78/80. 3-74/80. 4-77/80.
 -04-03 R2 by inspection of
 no defects noted. next insp
 next time. cleaned spark plugs gapped

to end - [Signature]

| | | | |
|------|---------------------|----------------|-----------------------|
| YEAR | RECORDING TACH TIME | TODAY'S FLIGHT | TOTAL TIME IN SERVICE |
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Frederick Flight Center
 Tail Number: [blank]
 Hours: 799

Removed LH engine LO-360-E1A6D s from KTM Mid-Atlantic Engines on PA overhauled oil cooler, new engine sho mineral oil. Adjusted and set throttle a

M.V. Stanfield

[Signature]

| | | | |
|--------|-------|-------|-------|
| 9-2-10 | 824.5 | MAINT | 16885 |
| | | | |
| | | | |
| | | | |

Description of Inspections, Tests, Repairs and Alterations

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The following work completed by Rick Romans Inc. W/O : R43597

Rockerarms magnafluxed ,rebushed and reconditioned as necessary

Conn rods P/N lw15288 magnafluxed, rebushed and reconditioned as necessary

Camshaft LW 16514 serial # R43597-2 reground and overhauled

Cylinders were replaced with factory new

Crankcase p/m1681716816 s/n m/n 1655 O/H by C.S.I. w/o 12316

Complied with the following AD's as indicated:

- 73-23-01R4 N/A BY PARTS INSTALLED
- 79-10-03R2 C/W BOLT TORQUE 360 IN
- 80-14-07 N/A BY PARTS INSTALLED
- 92-12-05 N/A BY PARTS INSTALLED
- 96-09-10 N/A BY MODEL
- 98-02-08 C/W STAMPED P.I.D.
- 2002-12-07 C/W GASKET
- 2006-06-16 N/A BY S/N

- 90-04-06R1 N/A BY MODEL
- 93-11-11 N/A BY PARTS INSTALLED
- 97-15-11 N/A BY PARTS INSTALLED
- 98-17-11 N/A BY PARTS INSTALLED
- 2005-19-11 N/A BY S/N
- 2006-20-09 N/A BY S/N

[Signature]

Michael K. Peters
 A&P 449987998

| YEAR | 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.) |
|------|---------------------|----------------|-----------------------|--|
| DATE | | | | |

The following work completed by Rick Romans Inc. W/O : R43597
 Rockerarms magnaflexed, rebushed and reconditioned as necessary
 Conn rods P/N lw15288 magnaflexed, rebushed and reconditioned as necessary
 Camshaft LW 16514 serial # R43597-2 reground and overhauled
 Cylinders were replaced with factory new
 Crankcase p/n 16817/16816 s/n m/n lrd56 O/H by C.S.I. w/o. 12316

Complied with the following AD's as indicated:
 73-23-01R4 N/A BY PARTS INSTALLED
 79-10-03R2 C/W BOLT TORQUE 360 IN
 80-14-07 N/A BY PARTS INSTALLED
 92-12-05 N/A BY PARTS INSTALLED
 96-09-10 N/A BY MODEL
 98-02-08 C/W STAMPED P.I.D.
 2002-12-07 C/W GASKET
 2006-06-16 N/A BY S/N

Michael K. Peters
 A&P 449987998




Frederick Flight Center
 Tail Number
 Hours: 799

Removed LH engine LO-360-E1A6D from KTM Mid-Atlantic Engines on PA overhauled oil cooler, new engine shot mineral oil. Adjusted and set throttle

M.V. Stanfield



9-2-10 824.5 M/A/M 140885

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

ctions, Tests, Repairs and Alterations
with Name, Rating and Certificate Number of
Technician or Repair Facility. (See back pages for other specific entries.)

43597

necessary

ditioned as necessary

tailed

12316

1

N/A BY MODEL

N/A BY PARTS INSTALLED

N/A BY PARTS INSTALLED

N/A BY PARTS INSTALLED

N/A BY S/N

N/A BY S/N

1

9

| 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.) |
|--------------|---------------------------|-------------------|-----------------------------|---|
|--------------|---------------------------|-------------------|-----------------------------|---|



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

Removed LH engine LO-360-E1A6D s/n L-258-72T. Installed Overhauled engine LO-360-E1A6D s/n RL 232-72T 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

A&P3355748 Date 8-2-10

| | | | | |
|--------|-------------|-------|--|---|
| 9-2-10 | 824.5 MAINT | HOBBS | | C/W AD 80-04-03 R2 BY INSPECTION OF SUMP SCREEN NO DEFECTS NOTED NEXT DUE @ 8500 MAINT HOBBS. DRAIN OIL, REPLACED OIL FILTER & SERVICED ENGINE WITH 6 QTS AEROSHELL 100W MINERAL OIL PLUS 6OZ. LW16702 OIL ADDITIVE. OPS & LEAK CHECKED GOOD. -----END----- M.V. Stanfield A&P 3355748 |
|--------|-------------|-------|--|---|

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

*change serviced engine
 1000 oil and oil filter
 id with AD 80-04 03R2
 on of samp screen next due
 - End
 red Remunster APR 3159729*

Description of Inspections, Tests, Repairs and Alterations
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KTM Mid-Atlantic Engines Inc.

Jan 13, 2011

TSMO 61.0

Completed TDI on Lycoming L0-360-E1A6D S/N RL-232-72T
 Crankshaft S/N R46017-1 polished main and rods already m.003
 Work done by Rick Romans W/O: 46017 all steelwork magnifluxe
 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 | C/W 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 | C/W MOUNT BOLTS | 73-23-01 | N/A BY PARTS INSTALLED |



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
 Tach: 860.7 Maint Hobbs

Frederick Flight Center
 Tail Number: N79NA
 Tach: 860.7

Removed RH engine LO-360-E1A6D s/n RL 232-72T 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 dampers. Installed overhauled oil cooler. Serviced engine with 6 QTS Aeroshell 80w mineral oil. Operation and leak check good.

CMW annual inspection of engine IAW QTS of aero shell 100 straight mineral oil. 04-03 R3 by visual inspection of oil has been inspected IAW an annual

M.V. Stanfield A&P 3355748 03/12011

| | | | |
|---------|---------------|-------------------|--|
| 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 - |
| 8-11-11 | 876.1 15.4 | Tach time TSMO | Clw AD 80-04-03 R3 by inspection of oil screen no defects noted. next inc @ next oil change - End - |

| | | | |
|---------|-------|-------------|------|
| 8-31-11 | 905.4 | MAINT HOBBS | 47.7 |
|---------|-------|-------------|------|

Jonathan Chanto

[Signature]

[Signature] AEP 3172873

[Signature] AEP 3172873

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|--------------|---------------------------|-------------------|-----------------------------|---|

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



CMW annual inspection of engine IAW FAA approved check list. Drain oil and changed oil filter, service engine with 8 QTS of aero shell 100 straight mineral oil. compressions as follows: 1-74/80.2-73/80.3-77/80.4-74/80. CMW AD 80-04-03 R3 by visual 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 determinate to be in airworthy condition. Ground run-up OK.

Jonathan Chanto

A&P 3177873 IA 07/11/2011

| | | | | |
|---------|-------------------|--|-----------|---|
| 8-31-11 | 908.4 MAINT HOURS | | 47.7 SMDA | CMW AD 80-04-03 R3 DRAINED OIL, REPLACED OIL FILTER, INSPECTED SUMP SCREEN WITH NO DEFECTS NOTED & SERVICED ENGINE WITH 6 QTS OF AERO SHELL 100W PLUS OIL. NEXT DUE @ 958.4 MAINT HOURS, JS & LEAK CHECK GOOD - ETW - <i>[Signature]</i> APP 3355748. |
|---------|-------------------|--|-----------|---|

Change oil filter. service
 QTS of aero shell straight
 & leak check OK. - End -

Frederick MD 21701 800-355-0620

44-7995307 N79NA for prop strike
 repair by KTM Mid-Atlantic Engines.
 1 overhauled oil cooler. Serviced engine

03/1/2011

APP 3177873

R3 by inspection OK oil
 noted. next due @ next

[Signature] APP 3177873



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

- Drained oil and removed debris next inspection
- Serviced engine with 48104.
- Ran and leak checked

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 *[Signature]*

YEAR _____
 DATE _____

REC TAC TIM

Alterations
 Number of
 (significant entries.)

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



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

Hobbs: 850.7
 Tach Time: 1050.1
 Total Time: _____

Registration #: N79NA
 Make/Model: LO-360-E1A6D
 S/N: RL-232-72T

- C/W ~~100 plus~~ inspection of engine Annua / 100% inspection of engine
- Drained oil and removed oil filter. Cut open and examined oil filter. NDN on the oil filter.
- C/W 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.
- Installed new ferrels 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 *[Signature]*

[Signature] 483224728 IA

YEAR _____
 DATE _____

RECORDING TACH TIME



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

Alterations
Number of
Specific entries.)

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

YEAR
DATE

REC
TAC
TIM

RH Engine Log Entry
Date: October 19, 2012
TSMOH: 299.3
Hobbs: 922.9
Tach Time: 1099.0
Total Time: _____
Registration #: N79NA
Make/Model: LO-360-E1A6D
S/N: RL-232-72T

Registration #: N79NA
Make/Model: LO-360-E1A6D
S/N: RL-232-72T

- 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 *[Signature]* AIP 3224728

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urn to service with respect to the

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