

NEW RECIPROCATING ENGINE CERTIFICATE

This is to certify that the engine as described hereinafter has been manufactured run-in and tested as prescribed by **LYCOMING** specifications and Federal Aviation Regulations. No further run-in is required. All applicable Federal Aviation Airworthiness Directives and Lycoming Service Bulletins have been complied with at time of Manufacture.

MODEL O-360-C4P

SERIAL NO. L-39400-36A

DATE 11-03-03

H L Smith

(AUTHORIZED REPRESENTATIVE)

LYCOMING
A Textron Company

LYCOMING ENGINES
652 Oliver Street

Williamsport, PA 17701 U.S.A.

Form No. 777-B (Rev. 3/03)

ENGINE LOG

Serial No. _____

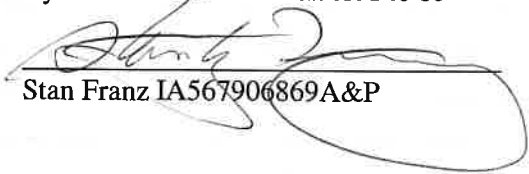
May 6, 2004

L-39400-36A

Tach 0.0

TT 0.0

This engine was installed on N6410W (uncovered fuselage) with all new baffling, engine mount, engine mount bolts, rubber bushings, complete exhaust system, airbox, air filter and dome, oil cooler, starter, InterAv alternator, all new oil and fuel hoses. Installed all new cowling, spinner, McCauley 1A200/FA8241 propeller and bolts. All controls were rigged and saftied. This installation must be reinspected upon final aircraft assembly before it can be considered to be airworthy.

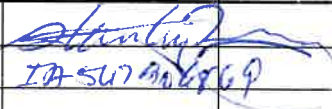

 Stan Franz IA567906869A&P

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			Total to Date			

All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.

ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
7-7-05	.5		This engine was removed from N6410W2 for inspection	 IA 5U73A6869	
Page Total			All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.		
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LYCOMING

A Textron Company

652 Oliver Street
Williamsport, PA 17701

2/27/06 Engine S/N L-39400-36A was removed from service with 0.5 TT and returned to Lycoming for inspection/repair due to a prop strike. Engine was disassembled, cleaned, and inspected. Necessary parts zyglo and magnaflux inspected per SB533A. Engine was reassembled replacing the left magneto with S/N 05111754, right magneto with S/N 05111806, crankshaft with S/N V537942367, left & right magneto harness, cylinder # 2 with cylinder kit P/N 05K21104, 3 intake pipes, all rings, bearings, hardware necessary for the repair, and all perishable items. Engine was tested in accordance with Lycoming specifications and is determined to be in an airworthy and safe operating condition. Additional service bulletins and instructions complied with 240S, 475C (91-14-22), 533A (91-14-22), 554, and SI 1267C, 1424, and 1487. All pertinent data relating to this work is on file at Lycoming under work-order **REP39400**.



K. L. Raker Repairman #2857724
Repair Station EJ1R115K

END


ENGINE LOG

Serial No. _____

D

License
Number

September 12, 2006 L-39400-36A O-360-C4P Tach "0" TT "0"
Installed a Lycoming O-360-C4P engine with new motor mount, mount rudder bushing and bolts, all new baffling, high flow exhaust stacks, clamps, HD muffler, Atlee Dodge split muffler shroud, oil cooler, oil cooler lines, all new fuel and oil lines, Sky-Tec HT lightweight starter, B&C alternator and oil filter adapter assembly. New carburetor airbox, air filter and filter dome were installed as well as all new split cowling, spinner assembly and new McCauley LA200/FA8241 (S/N YH46018). All engine controls were rigged and safetied-propeller. Serviced with 8-qts of AeroShell 100 mineral oil. **This engine has inspected I.A.W. a 100-hour inspection and was determined to be airworthy.**


Stan Franz LA 567906869

Page Total

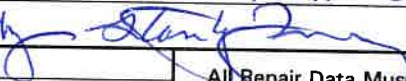
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ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
5-14-07	00.3		Drained oil, checked filter, serviced with 8 Qts of AeroShell mineral oil. Set timing to 25° BTC spark plugs Installed 2 new Rem 37BY plugs Inspected exhaust system IAW AS 18-05-01. Compression #1 $\frac{78}{80}$ #2 $\frac{74}{80}$ #3 $\frac{72}{80}$ #4 $\frac{74}{80}$. Installed new oil filter This engine has been inspected IAW Q100 h trip and was determined to be air worthy.		IA 367 P06869
			Page Total	All Repair Data Must Bear the Endorsement of a Certified Mechanic, and his Rating and Certificate Number MUST be Shown.	
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			Total to Date		

ENGINE LOG

Serial No. _____

Chena Marina Air Service

Date

Engine log entry

Date: 5/1/2008 Tach Time:106.9 Total Time Engine: 106.9

Inspected all controls for proper security and operation. Compressions - #1 80/76, #2 80/78, #3 80/77, #4 80/77. Cleaned and gapped spark plugs. Checked mag timing. Changed oil and filter - no contamination found. Serviced with 7 qts. of Phillips 20w/50 oil. Checked all fuel and oil screens. Inspected exhaust and intake systems. Installed EI fuel flow system and transducer in accordance with STC# SA00068SE. Replaced gasket, sealed and safetied oil filler tube. Torqued all oil pan bolts. Replaced mixture control cable, rigged and safetied. Tightened fitting in gascolator. C/W AD 84-26-02 by replacement of air filter - AD next due no later than 5/2013 or 606.9. Washed engine and ground ran - checked good - no leaks.

All AD's current thru this date - see list for details.

I certify that this Engine was inspected in accordance with an Annual Inspection and was determined to be in airworthy condition at this time and date.



AP574543093IA

License
Number

of a

ENGINE LOG

Serial No. _____

Chena Marina Air Service

Date	Time	
	Tir	Hrs

Engine log entry

Date: 5/11/09 Tach Time:180.1 Total Time Engine:180.1

Inspected all controls for proper security and operation. Compressions - #1 80/77, #2 80/77, #3 80/77, #4 80/77. Cleaned and gapped spark plugs - set mag timing. Changed oil and filter - no metal found. Serviced with 7qts. of Phillips 20w/50 oil. Checked all fuel and oil screens. Inspected exhaust and intake systems. C/W AD 84-26-02 by replacement of air filter - AD next due:680.1 or 2014 whichever is first.

Washed engine and ground ran - checked good - no leaks.

All AD's current thru this date - see list for details.

I certify that this Engine was inspected in accordance with a 100 hour Inspection and was determined to be in airworthy condition at this time and date.


AP574543093

I certify that this Engine was inspected in accordance with an Annual Inspection and was determined to be in airworthy condition at this time and date.


AP379741544IA

License
Number


ENGINE LOG

Serial No. _____

Date	Ti
	Hrs

Chena Marina Air Service

Engine log entry
Date: 5/1/10 Tach Time:250.0 Total Time Engine:250.0
 Inspected all controls for proper security and operation. Compressions - #1 80/77, #2 80/78, #3 80/77, #4 80/78, gapped spark plugs , checked filter - no metal found. Checked all fuel screens, exhaust and intake systems. Drained preservative oil and filled with 7qts Phillips 20/50 X/C.
 Washed engine and ground ran - checked good - no leaks.
 All AD's current thru this date - see list for details.
 I certify that this Engine was inspected in accordance with an Annual Inspection and was determined to be in airworthy condition at this time and date.


 AP471960984IA

License Number

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All Repair Data Must Bear the Endorsement of a
 Certificated Mechanic, and his Rating and
 Certificate Number MUST be Shown.

ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			

ENGINE MODEL:
O-360-C4P
ENGINE S/N: L-39400-36A
REG. NO: N4293Z
WORK ORDER:
0200-08-2011



Chena Marina Air Service
P.O. Box 60678
Fairbanks, Alaska 99706
Phone: (907) 479-8408

DATE: 4/27/2011
A/C TSN: 2887.1
ENG TT: 313
TSMOH: 313
TACH: 313

Engine Entries

Inspected all controls for proper security and operation. Inspected exhaust and intake systems - installed PAMI muffler system in accordance with STC# SA02273AK - see 337 this date. Compressions as follows: #1 80/77, #2 80/78, #3 80/77, #4 80/78. Changed oil and filter - serviced with 7 qts. of phillips XC 20w/50. Checked all oil and fuel screens. Cleaned and gapped spark plugs. Checked mag timing. Engine washed and ground run - all systems checked well - no leaks... Rerouted fuel flow and heater hose in cowl - replaced broken tie-wraps

I certify that this engine was inspected in accordance with an annual inspection and was determined to be airworthy condition at this time and date

DATE: 4/27/2011

SIGNED:

Work Order: 0200-08-2011

Nathan Howard, License: AP5745430931A

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Total to Date

Certificated mechanic, and his rating and Certificate Number MUST be Shown.

ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			

ENGINE MODEL
O-360-C4P
ENGINE S/N: L-39400-36A
REG NO: N4293Z
WORK ORDER:
0320-05-2012



Chena Marina Air Service

P O Box 60678
Fairbanks, Alaska 99706
Phone: (907) 479-8408

DATE: 5/9/2012
A/C TSN: 2936.3
ENG TT: 362.2
TSMOH: 362.2
TACH: 362.2

Engine Entries

Inspected all controls for proper security and operation. Inspected exhaust and intake systems. Compressions as follows: #1 80/76, #2 80/77, #3 80/76, #4 80/76. Changed oil and filter - serviced with 7 qts. of phillips XC 20w/50. Checked all oil and fuel screens. Cleaned and gapped spark plugs. Checked mag timing. Engine washed and ground run - all systems checked well - no leaks

I certify that this engine was inspected in accordance with an annual inspection and was determined to be in worthy condition at this time and date

DATE: 5/9/2012

SIGNED:

Work Order: 0320-05-2012

Nathan Howard, License AP574543093IA

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ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			

ENGINE MODEL:
O-360-C4P
ENGINE S/N: L-39400-36A
REG NO: N4293Z
WORK ORDER:
0488-05-2013



Chena Marina Air Service

P O Box 60678
Fairbanks, Alaska 99706
Phone: (907) 479-8408

DATE: 5/31/2013
A/C TSN: 3001 1
ENG TT: 427
TSMOH: 427
TACH: 427

Engine Entries

Inspected all controls for proper security and operation. Inspected exhaust and intake systems. Compressions as follows: #1 80/76, #2 80/77, #3 80/76, #4 80/76. Changed oil and filter - serviced with 7 qts. of phillps XC 20w/50. Checked all oil and fuel screens. Cleaned and gapped spark plugs. Checked mag timing. Engine washed and ground run - all systems checked well - no leaks

I certify that this engine was inspected in accordance with an annual inspection and was determined to be airworthy condition at this time and date

DATE: 5/31/2013

SIGNED: 

Work Order: 0488-05-2013

Mark Hasner, License: AP471960984IA

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ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			

ENGINE MODEL:
O-360-C4P
ENGINE S/N: L-39400-36A
REG. NO: N4293Z
WORK ORDER:
0691-05-2014



Chena Marina Air Service

P O. Box 60678
Fairbanks, Alaska 99706
Phone: (907) 479-8408

DATE: 5/14/2014
A/C TSN: 3028.9
ENG TT: 454.8
TSMOH: 454.8
TACH: 454.8

Engine Entries

Inspected all controls for proper security and operation. Inspected exhaust and intake systems. Compressions as follows: #1 80/77, #2 80/79, #3 80/76, #4 80/78. Changed oil and filter - serviced with 7 qts. of phillips XC 20w/50. Checked all oil and fuel screens. Cleaned and gapped spark plugs. Checked mag timing. All AD's are current - see list for details. Engine washed and ground run - all systems checked well - no leaks

I certify that this engine was inspected in accordance with an annual inspection and was determined to be airworthy condition at this time and date

DATE: 5/14/2014

SIGNED:

Work Order: 0691-05-2014

Nathan Howard, License: AP574543093IA

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ENGINE LOG

Serial No. _____

Date

Time

Hrs

Min

REPAIRS - ADJUSTMENTS - SERVICE - REMARKS

Signature

License Number

ENGINE MODEL
O-360-C4P
ENGINE S/N: L-39400-36A
REG. NO: N4293Z
WORK ORDER:
0884-05-2015



Chena Marina Air Service

P O Box 60678
Fairbanks, Alaska 99706
Phone: (907) 479-8408

DATE: 5/4/2015
A/C TSN: 3072 6
ENG TT: 498 5
TSMOH: 498 5
TACH: 498 5

Engine Entries

Inspected all controls for proper security and operation. Inspected exhaust and intake systems. Compressions as follows: #1 80/77, #2 80/77, #3 80/72, #4 80/75. Changed oil and filter - serviced with 6 qts. of phillips XC 20w/50. Checked all oil and fuel screens. Cleaned and gapped spark plugs. Checked mag timing. All AD's are current - see list for details. Engine washed and ground run - all systems checked well - no leaks

I certify that this engine was inspected in accordance with an annual inspection and was determined to be airworthy condition at this time and date

DATE: 5/4/2015

SIGNED:

Nathan Howard, License: AP574543093IA

Work Order: 0884-05-2015

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ENGINE LOG

Serial No. _____

Date	Time	
	Hrs	Min

REPAIRS - ADJUSTMENTS - SERVICE - REMARKS

Signature _____

NUM

ENGINE MODEL
O-360-C4P
ENGINE S/N: L-39400-36A
REG. NO: N4293Z
WORK ORDER
0912-06-2015

Chena Marina Air Service

P O Box 60678
Fairbanks, Alaska 99706
Phone: (907) 479-8408

DATE: 6/17/2015
A/C TSN: 3089
ENG TT: 5149
TSMOH: 5149
TACH: 5149

Engine Entries

Removed #3 cylinder due to stuck exhaust valve - sent out to mad Mikes aircraft engines for repair (see yellow tag). Re-installed cylinder with all new seals and gaskets. Changed engine oil and serviced with Phillips XC 20w50 and AvBlend

Work Order: 0912-06-2015

SIGNED: _____

DATE: 6/17/2015

Nathan Howard, License AP5745430931A

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Total to Date

SERVICEABLE PARTS TAG N42932

FORM 892

Customer CHENA MARINA

Job No. 1872

Date 6/12/15

Part No. 0-360

Part Name CYL

Material REPAIR STUCK Ser. No. #3

P.O. No. EXHAUST VALVE

Pcs.

Insp. [Signature]

Stamp AGP 3133855

PRINTED
IN U.S.A.

SERVICEABLE Ram Jet
(Component)

Magneto

Slick

Component Name

Mfg. Name

4371

OS11806

Model or Type

Serial No.

The aircraft component identified above was,

Repaired

Overhauled

Tested

Inspected

in accordance with Federal Aviation Regulations and was found to be airworthy for return to service after installation, adjustment and log entry by a qualified individual per §65.81 and §43.9 (a). See reverse side for details.

Invoice # 216044 TSOH

Signed

John A. Biornstad

A&P 2207273

John A. Biornstad

Date 3-30-16

Fish Creek Airmotive
801 Aircraft Rd.
Palmer, AK. 99645

Total to Date

ENGINE LOG

Serial No. _____

Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
Hrs	Min			

ENGINE MODEL
O-360-C4P
ENGINE S/N: L-39400-36A
REG. NO: N4293Z
WORK ORDER:
0969-08-2015



Chena Marina Air Service

P O Box 60678
Fairbanks, Alaska 99706
Phone: (907) 479-8408

DATE 5/9/2016
A/C TSN: 3127 1
ENG TT 553
TSMOH 553
TACH 553

Engine Entries

Inspected all engine controls for proper security and operation. Inspected exhaust and intake systems. Compressions as follows: #1 80/78, #2 80/79, #3 80/76, #4 80/78. Changed oil and filter - serviced with 7qts. of phillps XC 20w/50 and 1 pint of CamGuard. Checked all oil and fuel screens. Complied with AD84-26-02 by replacement of air filter with new - AD next due by Tach:1053.0. Cleaned and gapped spark plugs. All AD's are current - see list for details. Engine washed and ground run - all systems checked well - no leaks... Removed slick mags and sent to Fishcreek Airmotive for 500 hour inspection - see yellow tags. Re-installed both mags with all new gaskets and timed to 25° BTC.... Replaced 1 spark plug with new due to cracked ceramic... Tightened alternator belt and safetied

I certify that this engine was inspected in accordance with an annual inspection and was determined to be airworthy condition at this time and date

DATE: 5/9/2016

SIGNED:

Work Order: 0969-08-2015

Nathan Howard, License AP574543093IA

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4371

checked for completion
Point kit, seal, and cotter
for a 500 hour inspection
inspected the magneto

Ramjet

SERVICEABLE
(Component)

Magneto
Component Name

Slick
Mfg. Name

4371
Model or Type

05111754
Serial No.

The aircraft component identified above was,

Repaired

Overhauled

Tested

Inspected

in accordance with Federal Aviation Regulations and was found to be airworthy for return to service after installation, adjustment and log entry by a qualified individual per §65.81 and §43.9 (a). See reverse side for details.

Invoice # 216094 TSOH _____

Signed John A. Biomstad A&P 2207273

John A. Biomstad

Date 3-30-16

Fish Creek Airmotive
801 Aircraft Rd.
Palmer, AK. 99645

4371
Inspected the magneto
Point kit
for a 500 hour
check

ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			

ENGINE MODEL:
O-360-C4P
ENGINE S/N: L-39400-36A
REG NO: N4293Z
WORK ORDER:
1118-05-2016



Chena Marina Air Service

P O. Box 80678
Fairbanks, Alaska 99706
Phone: (907) 479-8408

DATE: 6/3/2016
A/C TSN: 3137.3
ENG TT 563.2
TSMOH 563.2
TACH 563.2

Engine Entries

Performed compression check on all cylinders - found #2 cylinder had low compression - Removed Exhaust valve and cleaned, lapped valve and re-installed - dry tappet clearance checked with-in limits. Compression re-checked on #2 cylinder and found to be 80/78 and no valve leakage - ok for return to service

DATE: 6/3/2016

SIGNED:

Work Order: 1118-05-2016

Mark Hasner, License: AP471960984IA

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ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			

ENGINE MODEL:
O-360-C4P
ENGINE S/N: L-39400-36A
REG NO: N4293Z
WORK ORDER:
1220-12-2016



Chena Marina Air Service

P O Box 60678
Fairbanks, Alaska 99706
Phone: (907) 479-8408

DATE 5/8/2017
A/C TSN: 3141 4
ENG TT: 567 3
TSMOH: 567 3
TACH: 567 3

Engine Entries

Inspected all engine controls for proper security and operation. Inspected exhaust and intake systems. Compressions as follows: #1 80/77, #2 80/77, #3 80/74, #4 80/75. Changed oil and filter - serviced with 6 qts. of phillips XC 20w/50 and 1/2 bottle of Cam Guard. Checked all oil and fuel screens. Cleaned and gapped spark plugs. Checked mag timing. All AD's are current - see list for details. Engine washed and ground run - all systems checked well - no leaks

I certify that this engine was inspected in accordance with an annual inspection and was determined to be airworthy condition at this time and date

DATE: 5/8/2017

SIGNED:

Work Order: 1220-12-2016

Nathan Howard. License. AP574543093IA

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ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			

ENGINE MODEL:
O-360-C4P
ENGINE S/N: L-39400-36A
REG. NO: N4293Z
WORK ORDER:
1493-05-2018



Chena Marina Air Service

P.O. Box 60678
Fairbanks, Alaska 99706
Phone: (907) 479-8408

DATE 5/21/2018
A/C TSN: 3187 2
ENG TT: 613 1
TSMOH: 613 1
TACH: 613.1

Engine Entries

Inspected all engine controls for proper security and operation. Inspected exhaust and intake systems. Compressions as follows: #1 80/78, #2 80/76, #3 80/76, #4 80/78. Changed oil and filter - serviced with 7 qts. of philips XC 20w/50 and CamGuard. Checked all oil and fuel screens. Cleaned and gapped spark plugs. Checked mag timing. All AD's are current - see list for details. Engine washed and ground run - all systems checked well - no leaks

I certify that this engine was inspected in accordance with an annual inspection and was determined to be airworthy condition at this time and date

DATE: 5/21/2018

SIGNED:

Work Order: 1493-05-2018

Nathan Howard, License: AP574543093IA

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