

Engine Log & Maintenance Record

LOG #: _____

RECORD OF X-Cub CC19-180 CC19-004
(MAKE) (MODEL) (SERIAL)

AIRCRAFT REGISTRATION NUMBER: N1506XC

FROM _____ 20____ TO _____ 20____

DETAILING TIME FROM _____ TO _____
(HOURS) (HOURS)

If used on a multi-engine aircraft: ___Right ___Left ___Front ___Rear

LYCOMING

New Reciprocating Engine Certificate

This is to certify that the engine as described hereinafter has been manufactured and ground operation tested as prescribed by Lycoming specification and Federal Aviation Regulations. All applicable Federal Aviation Airworthiness Directives applicable Lycoming Service Publications have been complied with at time of manufacture. Refer to enclosed Form ET001 for applicable accessory part numbers and serial numbers.

Part Number: ENPL-RT10892
Serial Number L-42784-36E
Engine Model O-360-C1G
Work Order AR638472
Total Time 0 New

Form 777C Rev 05/13

Charles Hess 4/24/16
Authorized Representative Date

Production Certificate #3
652 Oliver Street Williamsport, PA 17701 U.S.A
Lycoming Engines is a division of Avco Corporation

Engine Log

Serial # _____

Date	Time Run (Hours)	Total Time Since Overhaul	Repairs, Adjustments, Service, Remarks	Signature	Licence #
BROUGHT FORWARD			<p>This Engine was installed new on serial number CC19-0004. It has been serviced with 8 quarts of Aeroshell 40 WT. mineral oil.</p> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;"> Production Manager </div> <div style="text-align: center;"> <p>05/04/16</p> <p>(Date)</p> </div> </div>		

10 May 2016 <small>Engine</small>	N506XC	O-360-C1G	Tach 10.00	
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Removed cowling, drained oil, removed and inspected filter; no metal found. Installed new oil filter and 7-qts of 100 AeroShell oil. Torqued and saftied. Engine was test run and leak checked; all operations are normal. Installed cowling.

Stan Franz 567906869A&P

10 May 2016 <small>Engine</small>	N506XC	O-360-C1G	Tach 35.00 ^{45.3 SF}	
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Removed cowling, drained oil, removed and inspected filter; no metal found. Installed new oil filter and 7-qts of 100 AeroShell oil. Torqued and saftied. Engine was test run and leak checked; all operations are normal. Installed cowling.

Stan Franz 567906869A&P

Date 07/21/2016	Tach 93.4	Reg# N506XC	
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Removed cowling, drained oil, removed and inspected filter/screen; no metal found. Installed new oil filter/gasket and added 6 qts of Phillips 20w 50 oil. Torqued and saftied. Engine was test run and leak checked; all operations are normal. Installed cowling.

(Mechanic's Signature and A&P Number)

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All repair data must bear the endorsement of a certified mechanic, and his/her rating and certificate number MUST be shown.

Engine Log

Serial # _____

Date	Time Run (Hours)	Total Time Since Overhaul	Repairs, Adjustments, Service, Remarks	Signature	Licence #
BROUGHT FORWARD					
3-9-17	193.6	193.6	Removed & Replaced Starter with PN SR2-9021 #N H-R010295 ops check Good.	<i>[Signature]</i>	3784760



Make: Cub Crafters
 Model: CC19-180
 S/N: CC19-0004
 TACH: 214.2

TacAero 3650 Airport Drive,
 Hood River, OR 97031
 Phone: (844) FLY - CUBS ext: 706

Date: 4/25/2017
 REG. NO. N506XC
 Lycoming O-360-C1G
 S/N L-42784-36E
 TSMO: 214.2

Engine

Performed an Annual Inspection I.A.W Cub Crafters CC18-180 Maintenance Manual and CC19-0004 Scheduled Inspection Report. Cleaned, Inspected Gapped. Rotated and re-installed Spark Plugs. Engine Oil and Filter changed. Oil filter Media inspected for contamination (none found) Engine serviced with (8) Qts. Phillips 20W/50. Installed Tempest Oil Filter P/N AA48108-2. Engine controls checked for security, Travel and proper operation Differential Compression Test: #1 45/80 #2 78/80 #3 76/80 #4 75/80. # 1 Cylinder removed. Exhaust Valve and Valve seat ground IAW Lycoming Maintenance Manual 60294-7, Rev 14, July 2011 and table of limits SSP-1776-3 dated 31 Jan 2017. Engine re-assembled IAW Lycoming O-360 Maintenance Manual 6 - 22. Engine run up and follow up compression test good. #1 Cylinder 79/80. Removed and replaced Fuel Drain Hose Clamp @ Fuel Pump (too big). There are no Airworthiness Directives or Service Bulletins associated with this Engine at this time. Aircraft operational and leak check good.

I certify that this Engine has been inspected I.A.W an annual inspection & determined to be in airworthy condition.

[Signature]
 Jeffrey E. Kroo AP36840651A

Date: 2 Aug 17
 Time (Hour meter / Tach): 307.0/253.1
 Engine Model: O-360-C1C
 Engine S/N: L-42784-36E

N506XC

Complied with Lycoming Service Bulletin 632A. Performed ground run and leak check.

Connecting rod #1: K463 006 Top
 7247 08/03/15 Bottom
 P/N: LW-11750 (S)
 Passed

Connecting rod #2 K463 005 Top
 7247 08/03/15 Bottom
 P/N: LW-11750 (S)
 Passed

Connecting rod #3 Bushing failed inspection. Installed replacement connecting rod.
 Failed Part Replacement Rod
 K470 070 Top P/N: LW-11750-85-S
 7247 11/13/15 Bottom Service Rod
 P/N: LW-11750 (S) Bearing P/N: 18M26105

Connecting rod #4 K470 072 Top
 7247 11/13/15 Bottom
 P/N: LW-11750 (S)
 Passed

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[Signature]
 Frank Lukachinsky A&P 3328503
 Lycoming Engines

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Engine Log

Serial # _____



Make: Cub Crafters
Model: CC19-180
S/N: CC19-0004
Lycoming 0-360-C1G
S/N L-42784-36E

TacAero 3650 Airport Drive,
Hood River, OR 97031
Phone: (844) FLY - CUBS ext: 706

Date: 11/28/2017
REG. NO. N506XC
TACH: 315.6
TSN: 315.6

Engine

Performed an Annual Inspection I.A.W Cub Crafters CC19-180 Maintenance Manual and Cub Crafters CC19-180 Scheduled Inspection Report. Cleaned, Inspected Gapped, Rotated and re-installed Spark Plugs. Engine Oil and Filter changed, Oil filter Media inspected for contamination (none found) Engine serviced with (8) Qts. Phillips 20W/50. Installed Tempest Oil filter P/N AA48108-2. Engine Controls checked for security, travel and proper operation. Differential Compression Test: #1 79/80 #2 78/80 #3 66/80 #4 72/80. Replaced Primary Engine Monitor Manifold Pressure Transducer with "new". Installed Electronics International Inc. Transducer P/N PT-30ABS S/N 198427 per Cub Crafters and ECI installation instructions. Engine and Instrumentation Operational Check good Stop drilled numerous cracks on Engine Baffling. Replaced Crank Shaft Seal with "new". Installed Lycoming P/N LW-13792 Seal. Secured Heat Shield @ #1 Cylinder, Wire Bundle near Cabin Heat Control and Exhaust @ #1 Cylinder from chaffing. Replaced Carburetor Heat attach Bolt with "new". There are no Applicable Airworthiness Directives or Service Bulletins associated with this Engine at this time. Aircraft operational and leak check good

I certify that this Engine has been inspected I.A.W an annual inspection & determined to be in airworthy condition.


Jeffrey E. Kroo AP36840651A



Make: Cub Crafters
Model: CC19-180
S/N: CC19-0004
Lycoming 0-360-C1G
S/N L-42784-36E

TacAero 3650 Airport Drive,
Hood River, OR 97031
Phone: (844) FLY - CUBS ext: 706

Date: 4/10/2018
REG. NO. N506XC
TACH: 361.9
HOBBS: 434.2
TSN: 361.9

Engine

Performed an Annual Inspection I.A.W Cub Crafters CC19-180 Maintenance Manual and Cub Crafters CC19-180 Scheduled Inspection Report. Engine Controls checked for security, travel and proper operation. Cleaned, Inspected Gapped, Rotated and re-installed Spark Plugs. Engine Oil and Filter changed, Oil filter Media inspected for contamination (none found) Engine serviced with (7) Qts. Phillips 20W/50. Installed Tempest Oil filter P/N AA48108-2 Differential Compression Test: #1 79/80 #2 75/80 #3 70/80 #4 70/80. Replaced Carburetor with "serviceable unit" Installed AV Star P/N AV10-5193 Carburetor S/N AV22747281. TSN: 364.4. Replaced Crank Shaft Seal with "new". Installed Lycoming P/N LW-13792 Seal. Stop drilled numerous cracks on Engine Baffling. Replaced Cabin Heat (Exhaust Muff) System with "new" Installed Cub Crafters Cabin Heat Kit P/N SL-CC-0002-K IAW Cub Crafters Installation Instructions. Replaced Alternator Belt with "new". Secured Alternate Air Cable, Ignition Leads and Throttle Cable from chaffing. Replaced #2 Cylinder Intake gasket with "new" There are no Applicable Airworthiness Directives or Service Bulletins associated with this Engine at this time. Aircraft operational and leak check good

I certify that this Engine has been inspected I.A.W an annual inspection & determined to be in airworthy condition.


Jeffrey E. Kroo AP36840651A

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All repair data must bear the endorsement of a certified mechanic, and his/her rating and certificate number MUST be shown.

Engine Log

Serial # _____



Make: Cub Crafters
Model: CC19-180
S/N: CC19-0004
Lycoming O-360-C1G
S/N L-42784-36E

TacAero 3650 Airport Drive,
Hood River, OR 97031
Phone: (844) FLY - CUBS ext: 706

Date: 5/3/2018
REG. NO. N506XC
TACH: 373.4
TSN: 373.4

Engine

Trouble shot Oil pressure Indication System, Oil Pressure Indication intermittently Inoperative. Replaced oil pressure sending unit with new PT-100GA SN 193115. Found loose wire pin in Wiring Harness Bulkhead Connector @ Firewall. Re-set Wire / Pin in Connector and verified security of all Components. Aircraft Operational and leak check good.

M. M. [Signature]

Mondo Diek AP3686949



Make: Cub Crafters
Model: CC19-180
Engine: O-360 C1G

TacAero 3650 Airport Drive
Hood River, OR 97031
(844) FLY-CUBS

Date: 5/24/2018
Tach: 477.7
A/C Reg: N506XC

Removed Avstar Carburetor model LVC-5-5BPA, S/N AV22747281 and installed overhauled Avstar carburetor LVC-5-5BPA, S/N AV20799482. Performed run-up adjusted idle mixture and idle speed, leak check good. No other work performed.

M. M. [Signature]

Mondo Diek AP3686949



Make: Cub Crafters, LLC.
Model: CC19-180
S/N: CC19-0004
Engine: O-360-C1G

TacAero 3650 Airport Drive
Hood River, OR 97031
(844) FLY-CUBS

Date: 5/31/2018
Tach: 394.4
Total Time: 479.8
A/C Reg: N506XC

Performed 50 inspection per Cub Crafters LLC. Inspection Form TC10000AMM, 5-20. Drained oil, removed filter and inspected for contaminants, none found. Installed new Champion filter P/N: CH48108-1 and safetied. Filled engine with 7 quarts of Phillips 66 20W-50 semi-synthetic oil and performed leak check.

[Signature]
Cody Diek AP3787945

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All repair data must bear the endorsement of a certified mechanic, and his/her rating and certificate number MUST be shown.

Engine Log

Serial # _____

Date	Time Run (Hours)	Total Time Since Overhaul	Repairs, Adjustments, Service, Remarks	Signature	Licence #
BROUGHT FORWARD			6/15/2018 TACH: 518.7 AFTT: 518.7 ETSMO: 518.7		
			<p>Removed, cleaned and inspected oil filter, no defects noted. Installed new filter P/N CH48108-1. Serviced engine with 7 quarts Phillips XC 20W50. Cleaned, gapped, and tested spark plugs. Cleaned crankcase breather at exhaust. Work performed in accordance with current maintenance manuals & FAR 43. See AAS WO#8969 for further details. I certify that this engine has been approved for return to service.</p>		
			<p>Signature <u><i>[Signature]</i></u> Date <u>6/15/2018</u> Certified Repair Station# UGZR085W Engine -N506XC</p>		
			<p style="text-align: center;"> TAC-AERO</p> <p>Make: Cub Crafters, LLC. TacAero 3650 Airport Drive Date: 7/2/2016 Model: CC19-180 Hood River, OR 97031 Tach: 454.4 S/N: CC19-0004 (844) FLY-CUBS Total Time: 546.2 Engine: O-360-C1G A/C Reg: N506XC</p>		
			<p>Performed 100 hour inspection per Cub Crafters LLC. Inspection Form TC10000AMM, 5-20. Drained oil, removed filter and inspected for contaminants, none found. Installed new Champion filter P/N: CH48108-1 and safetied. Filled engine with 7 quarts of Phillips 66 20W-50 semi-synthetic oil and performed leak check.</p> <p style="text-align: center;"><u><i>[Signature]</i></u> Cody Diek AP3787945</p>		
			<p style="text-align: center;"> TAC-AERO</p> <p>Make: Cub Crafters LLC, TacAero 3650 Airport Drive Date: 7/2/2018 Model: CC19-180 Hood River, OR 97031 Tach: 454.4 S/N: CC19-0004 (844) FLY-CUBS Total Time: 546.2 Engine: O-360-C1G A/C Reg: N506XC</p>		
			<p>I certify that this engine has been inspected in accordance with an annual inspection per Appendix D, FAR Part 43 and was determined to be in airworthy condition.</p> <p style="text-align: center;"><u><i>[Signature]</i></u> Thomas L. Murphy API689706IA</p>		
			<p style="text-align: center;"> TAC-AERO</p> <p>Make: Cub Crafters, LLC. TacAero 3650 Airport Drive Date: 10/4/2018 Model: CC19-180 Hood River, OR 97031 Tach: 498.9 S/N: CC19-0004 (844) FLY-CUBS Total Time: 608.8 Engine: O-360-C1G A/C Reg: N506XC</p>		

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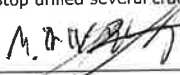




Performed 50 inspection per Cub Crafters LLC. Inspection Form TC10000AMM, 5-20. Drained oil, removed filter and inspected for contaminants, none found. Installed new Tempest filter P/N: AA48108-2 and safetied. Filled engine with 7 quarts of Phillips 66 20W-50 semi-synthetic oil and performed leak check.

[Signature]
Cody Diek AP3787945

near the endorsement of and his/her rating and or MUST be shown.

Engine Log

Serial # _____

Date	Time Run (Hours)	Total Time Since Overhaul	Repairs, Adjustments, Service, Remarks	Signature	Licence #
BROUGHT FORWARD					
 <p> Make: Cub Crafters Model: CC19-180 S/N: CC19-0004 Engine: O-360-C1G </p> <p> TacAero 3650 Airport Drive Hood River, OR 97031 (844) FLY-CUBS </p> <p> Date: 10/12/2018 Tach: 613.0 Total Time: 613.0 A/C Reg: N506XC </p> <p> Replaced air filter element with new Cub-Crafters PN XCS3110-001. Tightened screws on all rocker covers. Stop drilled several cracks in RH stainless steel heat shield. END </p> <p>  Mondo Diek AP3686949 </p>					
 <p> Engine Date: 08/17/2019 A/C Reg: N506XC Serial: L-42784-36E Tach: 531.9 Total: 531.9 </p>					
<p>Compressions #1 77/80, #2 76/80, #3 73/80, #4 72/80. Changed engine oil and filter. Oil filter cut open and inspected for contaminants (none found). Installed Tempest AA48108-2 and serviced engine with 7qts Aeroshell 15W50 oil. Removed, cleaned, inspected, and gapped spark plugs. Inspected heat muff; tightened rocker cover screws. Staked cylinder #3 exhaust valve and replaced valve cover gasket with RG-75906; torqued. Replaced RH exhaust shield and repaired LH exhaust shield. Removed magnetos and replaced with overhauled Slick Magnetos P/N 4371 (S/Ns H-04436 & H-04434); timed to engine. Ran engine; operational and leak check good. No applicable AD's at this time.</p> <p>I certify that this engine has been inspected IAW an annual inspection as per the scope and detail of FAR Part 43 Appendix D and was found to be in an airworthy condition.</p> <p>  </p>					
<p>Erin Bos - A&P 3757475 IA</p> <p> Make: Lycoming Model: O-360-C1G Engine S/N: L-42784-36E A/C Reg: N506XC </p> <p>  </p> <p> TacAero 3650 Airport Drive Hood River, OR 97031 (844) FLY-CUBS </p> <p> Date: 9/7/2020 Tach Time: 679.5 TSN: 679.5 </p> <p> Performed an Annual Inspection IAW CC19-180 Maintenance Manual and 100 HR checklist. Compressions: #1-79 #2-78 #3-51 #4-67, staked exhaust valve on #3 to bring compression up to 65. Performed oil change. Inspected oil filter element for contaminants, no unusual contaminants found. Installed new AA48108-2 Oil filter and filled engine with 8qt of Aeroshell 15w-50. Replaced all spark plugs with new Tempest PN: UREM37BY. Checked ignition timing. Secured ignition wires better. Replaced #1 and #2 intake gaskets. Checked AD compliance. Engine was ground test run, ok, leak check ok. </p> <p> I certify that this Engine has been inspected IAW the scope and detail of an annual inspection per Appendix D, FAR Part 43 and has been determined to be in an airworthy condition. </p> <p>  Mondo Diek AP3686949IA </p>					
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All repair data must bear the endorsement of a certified mechanic, and his/her rating and certificate number MUST be shown.

Engine Log

Serial # _____

Date	Time Run (Hours)	Total Time Since Overhaul	Repairs, Adjustments, Service, Remarks	Signature	Licence #
BROUGHT FORWARD					

DATE: 11/6/2020
 HR. MTR: 595.7
 TOTAL TIME: 732.0
 Corrected for previous log entry error this date. Above recorded hours are correct and reflect the current times.

FREDERICKSBURG AVIATION, LLC
 465 AIRPORT ROAD
 FREDERICKSBURG, TX 78624

N506XC
 TIME STO: _____
 SER.NO. _____

David Land
 David land A/P 3140576 I/A

DATE: 11/6/2020
 HR. MTR: 595.7
 TOTAL TIME: 732.0

FREDERICKSBURG AVIATION, LLC
 465 AIRPORT ROAD
 FREDERICKSBURG, TX 78624

N506XC
 TIME STO: _____
 SER.NO. _____

Remove engine cowling, drain oil, remove oil filter and install new filter, p/n A48108-2
 Cut open filter and inspect for foreign matter, none found. Serviced engine with 6 qts. of Aeroshell 15W-50.
 Operational checked OK with no leaks found.
 I certify that this engine has been serviced / inspected in accordance with current FAA regulations and is approved to return to service for work performed

David Land
 David land A/P 3140576 I/A



465 Airport Road
 Fredericksburg TX
 (830) 990-9050

Make: Lycoming **Date:** 10/05/2021
Model: O-360-C1G **Tach Time:** 642.7
S/N: L-42784-36E

Engine Annual Inspection Registration: N506XC

Accomplished Annual Inspection on the Engine, per FAR Requirements and IAW Lycoming Manual. C/W inspection checklist. I certify that this Engine has been serviced/inspected in accordance with current FAA regulations and with Appendix D Part 43. All Engine AD's complied with. Removed, cleaned, gapped spark plugs. Inspected heat muff, cleaned fuel filter, replaced air induction filter, ran engine, operational leak check good. Drained oil. Removed filter and inspected for contaminants, no contaminants found. AA 48108-2 Filter added; torqued and safetied. Filled engine with 7 qts Aeroshell 15W50; leak checked, no leaks found. Compressions #1 78 #2 74 #3 70 #4 70

Retorqued valve cover gaskets.

I certify that this engine has been repaired and inspected in accordance with current FAA regulations and is approved for return to service for work performed.

David Land A/P 3140576 I/A

David Land



Engine

Date: 07/29/2022

A/C Reg: N506XC

Serial:

L-42784-36E

Tach: 843.3

Total: 843.3

Compressions #1 79/80, #2 73/80, #3 67/80, #4 75/80. Changed engine oil and filter. Oil filter cut open and inspected for contaminants (none found). Installed Tempest AA48108-2 and serviced engine with 7.5qts Aeroshell 15W50 oil. Removed, cleaned, inspected, and gapped spark plugs. Inspected heat muff. Replaced #3 egt with new probe. Installed new prop seal p/n LW-1392., and oil dipstick tube gasket. Cleaned oil cooler, oil suction screen, and breather tube. Ran engine; operational and leak check good.

P

No applicable AD's at this time. See AD log for complete AD list.

B

I certify that this engine has been inspected IAW an annual inspection as per the scope and detail of FAR Part 43 Appendix D and was found to be in an airworthy condition.

T

Bryant Higgins

Bryant Higgins A&P3547598 IA

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