



ENGINE DATA

ENGINE

Manufacturer/Make TITAN Model OX-340CC-B3J3N4

Serial No. C9B003 Type Certificate ASTM F2339-00

This engine is currently installed in aircraft: CC11-00345

Max RPM 2700 H.P. 180 Compression Ratio 9.1 to 1

Fuel Grade 100/100 LL Oil Grade meets SAE J1899 or MIL-L-22851

Ignition Timing 25 ° BTDC Spark Plug Gap _____ Firing Order 1-3-2-4

Recommended T.B.O. 2400 Assembly Date 9/15/14

Break-in Technician _____

Break-in Date _____ Date 1st Flown _____

AIRCRAFT


Installation in Aircraft Type _____ Reg. No. _____ S/N _____ Date _____

First Flight Date _____

Other _____

INSPECTION, TESTS, REPAIRS, ALTERATIONS & MAINTENANCE RECORD

Date	Total Time	TTSMOH	Description of Inspection or Maintenance Performed By <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility.</small>
			<p align="center">This Engine was installed new on serial number CC11-00345. It has been serviced with <u>5</u> quarts of Phillips 66 Type X/C <u>20W/50</u> Mineral Oil.</p> <p align="center"><i>[Signature]</i> 11-19-14</p> <p align="center">Production Manager (Date)</p>

Date <u>12/10/2014</u>	Tail # <u>N464LM</u>	Engine Log	
Tach <u>8.1</u>	Model <u>CC11-160</u>		
Total Time <u>8.1</u>	S/N <u>CC11-00345</u>		
<p>Drained oil. Opened and inspected filter; no abnormal particulates noted. Installed new filter (p/n SP56011-001) and serviced with 5qts Phillips 20W50 X/C oil. Performed leak check after ground run. <i>(Steve Dougherty)</i></p>			
<i>[Signature]</i>		Jon A. Delamarter, A&P 3035359	
<i>Phone: 509.248.1025</i>		<i>Yakima, WA</i>	
		<i>www.cubcrafters.com</i>	

INSPECTION, TESTS, REPAIRS, ALTERATIONS & MAINTENANCE RECORD

Date	Total Time	TTSMOH	Description of Inspection or Maintenance Performed By <i>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility.</i>
			<p align="center">NAPLES AIR CENTER, INC. CRS X04R655M 230 AVIATION DRIVE SOUTH NAPLES, FLORIDA 34104</p> <p align="center"><u>AIRCRAFT: N464LM DATE: 8/20/15 WO: 13076 TACH: 164.6 HOBBS: 190.3 TTSN: 164.6</u></p> <p align="center">ENGINE LOG</p> <p>DRAINED OIL. REMOVED AND INSPECTED OIL FILTER. NO CONTAMINANTS FOUND. INSTALLED NEW AA48162 OIL FILTER AND SERVICED ENGINE WITH 6 QTS. OF PHILLIPS 20W50 PHILLIPS X-COUNTRY OIL. REMOVED SOOT FROM EXHAUST TAIL PIPE. ENGINE RUN UP AND LEAK CHECKED GOOD.</p> <p align="center"><i>Robert L. House</i> FOR NAPLES AIR CENTER CRS X04R655M. ROBERT L. HOUSE</p>
			<p align="center">NAPLES AIR CENTER, INC. CRS X04R655M 230 AVIATION DRIVE SOUTH NAPLES, FLORIDA 34104</p> <p align="center"><u>AIRCRAFT: N464LM DATE: 11/17/15 WO: 13131 TACH: 204.8 HOBBS: 240.9</u></p> <p align="center">ENGINE LOG</p> <p>REMOVED AND REPLACED INDUCTION HOSES WITH NEW. P/N: SC56053-001. REPLACED O-RINGS AND LOCK WASHERS WITH NEW. ALL IAW CUB CRAFTERS SB00032 REV. A. DRAINED OIL. REMOVED AND INSPECTED OIL FILTER. NO CONTAMINANTS FOUND. INSTALLED NEW OIL FILTER, P/N: AA48162 AND SERVICED ENGINE WITH 6 QTS. OF PHILLIPS 20W50 X-COUNTRY OIL. REMOVED COKING FROM EXHAUST STACK. ENGINE RUN UP AND LEAK CHECKED GOOD.</p> <p align="center"><i>Robert L. House</i> FOR NAPLES AIR CENTER CRS X04R655M. ROBERT L. HOUSE</p>

INSPECTION, TESTS, REPAIRS, ALTERATIONS & MAINTENANCE RECORD

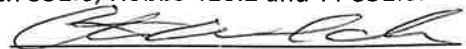
Date	Total Time	TTSMOH	Description of Inspection or Maintenance Performed By <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility.</small>

SECTION 1

02/15/17 N464LM OX-340-CC S/N C9B003 Eng Time 351.6 Hobbs 410.2

"ENGINE LOG ENTRY"

Preformed a compression check: #1 76/80, #2 78/80, #3 78/80, #4 78/80. Changed oil and filter. Cut filter open, no defects noted. Serviced engine with 5 Qts 20W50 XC oil and installed a AA48162 filter. CW SI00023 Clean breather residue buildup. Replaced #3 valve cover gasket. Replaced air induction filter. Installed new style induction air box. "I certify this Engine has been inspected in accordance with a Condition Inspection as per Cub Crafters, Inc. CC11-160 Maintenance Manual Inspection List and was determined to be in airworthy condition this date 02/15/17, Tach 351.6, Hobbs 410.2 and TT 351.6."

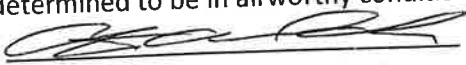


A&P595248430IA

INSPECTION, TESTS, REPAIRS, ALTERATIONS & MAINTENANCE RECORD

Date	Total Time	TTSMOH	Description of Inspection or Maintenance Performed By		
Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility.					
03/16/18	N464LM	OX-340-CC	S/N C9B003	Eng Time 525.6	Hobbs 607.9

"ENGINE LOG ENTRY"

Performed a compression check: #1 68/80, #2 76/80, #3 78/80, #4 78/80. Replaced air induction filter. "I certify this Engine has been inspected in accordance with a Condition Inspection as per Cub Crafters, Inc. CC11-160 Maintenance Manual Inspection List and was determined to be in airworthy condition this date 03/16/18, Tach 525.6, Hobbs 607.9 and TT 525.6." 

A&P595248430IA

ENGINE MODEL:
OX-340CC-B3J3N4
ENGINE S/N: C9B003
REG. NO: 464LM
WORK ORDER:
7604-07-2018



Aviation Maintenance, Inc.

1098 S. Milwaukee Ave.
Suite 301
Wheeling, IL 60090 USA
Phone: 847-541-4752

DATE: 7/30/2018
A/C TSN: 583.5
ENG TT: 583.5
TACH: 583.5

Engine Entries

Drained oil from engine and serviced engine with 6qts of Phillips 20W50 X/C oil. Removed oil filter and cut open to examine for contaminants, (None Noted), installed new (P/N:AA48162) oil filter, torqued and safetied. Inspected engine oil breather discharge tube and cleaned coking deposits from tube connection in exhaust. Ran engine and checked for leaks, (None Noted).

END

Christopher J. Swanick A&P2725102IA.

Maintenance Release

The aircraft and/or component(s) on 464LM was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations, with respect to worked performed, for return to service. Permanent details of the repair are on file at this repair facility under Work Order No. 7604-07-2018.

DATE: 7/30/2018

SIGNED 

Work Order: 7604-07-2018

Christopher J. Swanick, A&P: AP-2725102IA

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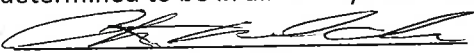
INSPECTION, TESTS, REPAIRS, ALTERATIONS & MAINTENANCE RECORD

Date	Total Time	TTSMOH	Description of Inspection or Maintenance Performed By <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility.</small>
<p align="center">**Silver Comet Aviation LLC / 580 Airport Pkwy / Dallas, GA 30157**</p> <p>Date: 8/16/2018; Aircraft: N464LM; Type: CC11-160; S/N: CC11-00345; Tach: 600.30; Total Time: 600.30; Engine - Type: OX-340CC-B3J3N4, S/N: C9B003, Time: 600.30; Prop - Type: 80X50NLE, S/N: 10143779, Time: 600.30</p> <ol style="list-style-type: none"> 1. Drained oil, installed new (AA48162) oil filter. Serviced engine with (5) qts Phillips 20W50. Cut open and inspected filter, no disc noted. Operated engine, oil pressure normal, no leaks noted. Installed cowlings. 2. Cleaned and re-torqued all crank case flange bolts using new lock washers. Marked with torque stripe. Operated engine no leaks noted. 3. C/W compression test - #1 - 61, #2 - 76, #3 - 76, #4 - 72/80 4. Oil sample taken and sent to Blackstone Labs for analysis. <p>This Aircraft / Engine has been repaired and inspected using current manuals and current FAA Regulations and has been found to be "Airworthy" for return to service.</p> <p><i>[Signature]</i> John V. Jenkins / AP452331798IA</p>			
12/20/18	629.1	464 LM	oil drained, filter cut no debris
			5 qts Phillips 20 50 no leaks
			Chuck Kimbrey

INSPECTION, TESTS, REPAIRS, ALTERATIONS & MAINTENANCE RECORD

02/19/19 N464LM OX-340-CC S/N C9B003 Eng Time 631.5 Hobbs 731.5

"ENGINE LOG ENTRY"

Performed a compression check: #1 50/80, #2 76/80, #3 78/80, #4 78/80. Replaced all ignition leads. "I certify this Engine has been inspected in accordance with a Condition Inspection as per Cub Crafters, Inc. CC11-160 Maintenance Manual Inspection List and was determined to be in airworthy condition this date 02/19/19, Tach 631.5, Hobbs 731.5 and TT 631.5." 

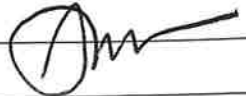
A&P595248430IA

02/19/19 N464LM OX-340-CC S/N C9B003 Eng Time 631.5 Hobbs 731.5

"ENGINE LOG ENTRY"

Installed #1 cylinder after repair by Certified Engines Unlimited. Under there W/O 19-15825. Replaced all spark plugs. Replaced air induction filter. 

A&P267064129

4/20/19	464LM	Tach 637.0	oil drained, filter out no debris
			5 qts Xc 20/50 - No leaks
			

ENGINE MODEL:
ENGINE S/N:
REQ. NO. N464LM
WORK ORDER:
1536-08-2019

Rex Air Maintenance Center

304 Citation Point
Naples, FL 34104
Phone: 239 649 8822

DATE: 10/24/2019
A/C TSN: 746.1
ENG TT: 746.1
TSMOH:
TACH: 746.1

Engine Entries

Ran engine and verified issues. Inspected ignition system and coils for proper operation. Compression test found #2 and #3 exhaust valves sticking. removed valve covers and unstuck valves. Reinstalled valve covers and ran engine. Operation was normal. Discussed findings with owner. Install shop pressure gauge to verify the oil PSI sender is functioning correctly- its reads correct. Dress oil pressure relief seat with Lycoming tool and installed customer supplied oil pressure relief ball with new Lycoming spring 07-03039, safety wire. Removed filter and inspected, installed new oil filter. Visually inspected cam and lifters for corrosion or damage. None found. Removed 4 cylinders, sent to Pro Aero Aviation Kamloops BC V2W8, Canada. Pistons were replaced with new SL 75089A machined down .080" for 10:1 compression change, see Authorized release Certificate for other work performed. Reinstalled cylinders on engine IAW MM replaced all seals and gaskets with new - gasket kits were supplied by engine shop. Removed all hydraulic lifters, disassemble and cleaned. Reinstalled hydraulic lifters, push rod tubes and rocker arms and 4 new LW13790 rocker arm shafts and shaft chafe cutouts. Checked all valve clearances, #1 int. and exhaust, #2 ex., #4 int. and exhaust clearances were not to spec. Installed shorter push rods 5P 28835-11, see FAA form 8130-3, into #1 int. and exh. #2 int. and exh. #4 int. Rechecked clearances. Replaced spark plugs with new customer supplied plugs. Added 7 qts mineral oil. Operational run up okay. Removed prop and starter ring assembly from crankshaft. Removed existing 22° timing ring and installed 19° degree timing plate on starter ring. Lock the screws re install propeller and torque and safety bolts per MM. Check new timing plate engine timing. Sealed baffles fore and aft, especially behind #3 cylinder

Technicians Who Worked On The Items Listed Above:
Bill Ahmann, Franklin Alvarez, James Carroll, Justin Upchurch, Ray Florczak

DATE: 10/24/2019

SIGNED:

Bill Ahmann, A&P: 3688958

Work Order: 0558-08-2019

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Entered in EBis B-L NO 3688958

electric

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INSPECTION, TESTS, REPAIRS, ALTERATIONS & MAINTENANCE RECORD

Date	Total Time	TTSMOH	Description of Inspection or Maintenance Performed By <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility.</small>
5-27-22	780		Perform Condition inspection on
			Titan OX-340CC. Replace spark
			plugs with new. Gap to .035. Change
			Oil and filter with new. cut open
			filter. no particles found. Add 5 qts
			20-50 oil. leak down test
			1 74/80
			2 78/80 .040 orifice used
			3 74/80 on leakdown
			4 78/80
			No issues found
			Return Aircraft to Airworthy condition
			Chm RL AIP 3814549

INSPECTION, TESTS, REPAIRS, ALTERATIONS & MAINTENANCE RECORD

Date	Total Time	TTSMOH	Description of Inspection or Maintenance Performed By
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1920 South 16th Ave - Yakima, WA 98903 (KYKM) Phone: (509) 248-1025 Fax: (509) 853-2783

04/19/2023

Cub Crafters
Titan

CC11
OX-340CC

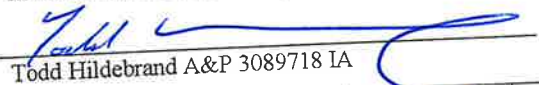
SN CC11-00345
SN C9B003

N464LM

Tach: 821.6

Hobbs: 963.5
TT: 821.6

Performed **12 month conditional inspection** in accordance with Cub Crafters, Aircraft Maintenance Manual, Appendix A. Cleaned oil breather tube in accordance with Cub Crafters **SI0023** Rev A. Drained and serviced engine with 5 quarts Phillips XC20w50 oil. Retained oil sample for analysis. Inspected removed filter. No discrepancies noted. Installed new oil filter SP56011-001. Engine compression: #1 79/80, #2 78/80, #3 79/80, #4 78/80. Replaced spark plugs with new customer supplied plugs. Aircraft ground run and leak checked. No discrepancies noted. I certify that this engine has been inspected in accordance with the manufacturer's maintenance and inspection procedure on 04/19/2023, and was found to be in a condition for safe flight.


Todd Hildebrand A&P 3089718 IA

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