Engine Log & Maintenance Record

LOG #: RECORD OF CIRRUS DESIGN CORP (MAKE) AIRCRAFT REGISTRATION NUMBER: ___ N ちいん は FROM October 2019 TO_____ DETAILING TIME FROM If used on a multi-engine aircraft: _____Right _____Left ____Front _____Rear

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 Serial Number ENPL-RT10944

Engine Model

L-931-80E

Work Order

IO-390-C3B6 KM738623

Total Time

Authorized Representative

Production Certificate #3

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

Form 777C Rev 05/13

ENGINE MODEL: 10-390-C3B6 ENGINE S/N: L-931-80E REG. NO: N87VB WORK ORDER: 6427

1

Nassau Flyers

1300 New Hwy Farmingdale, NY 11735 Phone: 631-454-0626 DATE: 10/25/2019 A/C TSN: 22 1 ENG TT: 22 1

Engine Entries Performed a 25 hour inspection of engine per Cirrus AMM and Cirrus inspection checklists, Chaps 05-02 and 05-30 *Ran engine to normal operating temperature and checked systems for normal operation, no defects noted. *Drained engine oil and serviced engine with 7 quarts Phillips 20w50 mineral oil. *Removed oil filter and inspected for metal contamination, no metal noted *Installed/torqued/saftied new bil filter(CH48-110) *Removed oil sump screen, inspected serviced, and re-installed/torqued/safetied. No defects noted *Washed down engine and lubricated controls *Performed post inspection run up and leak check, no defects noted. Maintenance Release This aircraft, engine, propeller or component(s) on N87VB were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above this date and times DATE: 10/25/2019 SIGNED Work Order 6427 Darion McFadden, A&P: 4138120 Printed by EBis 3 (datcomedia.com) 1 DATE 11/29/2019 ENGINE MODEL: 10-390-C386 ENGINE S/N: L-931-80E Nassau Flyers NASSAU A/C TSN: 52.3 ENG TT: 52.3 REG NO: N87VB 1300 New Hwy FLYERS Farmingdale, NY 11735 Phone: 631-454-0626 TACH: 52.3 WORK ORDER: 6455 **Engine Entries** Performed a 50 hour inspection of engine per Cirrus AMM and Cirrus inspection checklists, Chaps 05-02 and 05-30 *Ran engine to normal operating temperature and checked systems for normal operation, no defects noted *Drained engine oil and serviced engine with 7 quarts Aeroshell 15W50 oil *Removed oil filter and inspected for metal contamination, no metal noted *Installed/torqued/saftied new oil filter(CH48-110) *Removed/cleaned/gapped/tested reinstalled all spark plugs with new gaskets *Washed down engine and lubricated controls *Performed post inspection run up and leak check, no defects noted Maintenance Release This aircraft, engine, propeller or component(s) on N87VB were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in autworthy condition. This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above, this sate and times The DATE: 11/29/2019 SIGNED Work Order: 6455 Roberto Ruiz, A&P: 3233677 Printed by EBis 3 (datcomedia com) ENGINE MODEL 10-390-C3B6 DATE: 12/18/2019 Nassau Flyers NASSAU ENGINE S/N: L-931-80E REG NO: N87VB A/C TSN: 61 6 ENG TT: 61 6 1300 New Hwy LYERS Farmingdale, NY 11735 Phone: 631-454-0626 WORK ORDER: 6471 TACH: 61-6 **Engine Entries** Installed Tanis engine pre-heater (P/N: TSP4CYL-2925-115, S/N 54800) Performed an operational check of the same, no defects *See FAA Form 337 for pertinent details of this modification This aircraft, engine, propeller or component(s) on N87VB were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft, engine propeller or component(s) is approved for return to service regarding the work performed and described this date and times DATE 12/18/2019 SIGNED Work Order: 6471 Darion McFadden, A&P: 4138120 Printed by EBis 3 (datcomedia com)

Page Total:

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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.

1.

1300 New Hwy Farmingdale, NY 11735 Phone 631-454-0626 A/C TSN: 95.9 ENG TT: 95.9 TACH: 95.9

Engine Entries

Performed a 100 hour inspection of engine per Cirrus AMM and Cirrus inspection checklists, Chaps 05-02 and 05-30

*Ran engine to normal operating temperature and checked systems for normal operation, no defects noted

*Performed engine compression leak down check, results were as follow: #1:78 #2:78 #3:76 #4:76.

*Drained engine oil and collected oil sample for AvLab oil analysis. Serviced engine with 7 quarts Aeroshell 15W50 oil

*Removed/cleaned/inspected/reinstalled oil suction screen.

*Removed oil filter and inspected for metal contamination; no metal noted.

*Installed/torqued/saftied new oil filter(CH48-110)

*Removed/cleaned/gapped/tested reinstalled all spark plugs with new gaskets, no defects noted

*C/W ICA Tanis Engine Heater, no defects noted

Removed leaking crankshaft seal and replaced with new

Removed damaged cylinder #3 exhaust header and replaced with new

Removed cylinder #3, changed cylinder base o-ring, and re-installed same cylinder

Installed new barrel nut in cylinder #3.

Removed fuel servo, removed leaking oil sump gaskets and replaced with new, and re-installed same fuel servo after

re-installation of the oil sump.

Torqued and saftied oil filler neck.

Removed, cleaned, re-installed, and torqued all four leaking oil return lines,

Adjusted magneto timing to 20 degrees BTDC. Performed an operational check of the same, no defects noted.

Washed down engine and lubricated controls.

*Performed post inspection run up and leak check, no defects noted.

Maintenance Release

This aircraft, engine, propeller or component(s) on N87VB were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above, this date and times.

DATE: 2/11/2020

SIGNED

Work Order: 6512

Darion McFadden, A&P 4138120

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ENGINE MODEL: 10-390-C3B6 ENGINE S/N: L-931-80E REG NO: N87VB WORK ORDER: 6570



Nassau Flyers

1300 New Hwy Farmingdale, NY 11735 Phone 631-454-0626

DATE: 4/2/2020 A/C TSN: 140 5 ENG TT: 140 5 TACH: 140.5

Engine Entries

Performed engine operational and function check IAW Cirrus AMM 5-30.

*Performed engine 50 Hr. inspection IAW Cirrus AMM 5-20 and Lycoming Maintenance Manual.

*Drained engine oil and collected oil sample for AvLab oil analysis, Serviced with 7 quarts of Aeroshell 15W50. Replaced oil filter with new (CH48-110). Performed particulate inspection on filter, no discrepancies noted. Removed, inspected, cleaned and reinstalled oil suction screen, no discrepancies noted.

*Washed down engine and lubricated controls.

*Performed post inspection run up and leak checks with no discrepancies noted. All work accomplished IAW Cirrus AMM 12-10 and Lycoming Maintenance Manual.

Maintenance Release

This aircraft, engine, propeller or component(s) on N87VB were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above, this date and times

DATE: 4/2/2020

SIGNED:

Work Order: 6570

Sean McFadden, A&P: 3647763

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ENGINE MODEL: 10-390-C3B6 ENGINE S/N: L-931-80E REG. NO: N87VB WORK ORDER: 6588



Nassau Flyers

1300 New Hwy Farmingdale, NY 11735 Phone: 631-454-0626 DATE: 5/19/2020 A/C TSN: 180 5 ENG TT: 180 5 TACH: 180.5

Engine Entries

· Troubleshot pilot's report of "Oil on nose intake," found oil pressure relief valve gasket leaking.

Removed oil pressure relief valve, cleaned, and re-installed using new gasket. Performed operational check of same, no defects noted.

Maintenance Release

This aircraft, engine, propeller or component(s) on N87VB were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above, this date and times.

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DATE: 5/19/2020

SIGNED: Darion McFadden, A&P 4138120

Work Order: 6588 Printed by EBis 3 (datcomedia.com)

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ENGINE MODEL: IO-390-C3B6 ENGINE S/N: L-931-80E REG. NO: N87VB



Nassau Flyers

1300 New Hwy

DATE: 6/18/2020 A/C TSN: 196.1 ENG TT: 196.1

rature and checked system ifferential compression che s: #1:66/80 #2:64/80 #3:68/6 nple for AvLab oil analysis.	Lycoming Maintenance Manual. s for normal operation, no defects no ck, and intercylinder baffle inspection 80 #4:70/80. Serviced engine with 7 quarts Aeros	n IAW Lycoming Maintenance
IAW Cirrus AMM 5-20 and rature and checked system ifferential compression che s: #1:66/80 #2:64/80 #3:68/mple for AvLab oil analysis.	Lycoming Maintenance Manual. s for normal operation, no defects no ck, and intercylinder baffle inspection 80 #4:70/80. Serviced engine with 7 quarts Aeros	n IAW Lycoming Maintenance
w. rrect specs per CAMM. controls.	Removed, inspected, cleaned and re	einstalled oil suction screen,
·		
nd to be in airworthy condition.	This aircraft, engine propeller or componer	al Aviation Regulations and at the state of
DE Din M	71L	Work Order: 6598
AcFadden, A&P: 4138120	Printed	by EBis 3 (datcomedia.com)
Nassau	Nassau Flyers	DATE: 6/30/2020 A/C TSN: 247 4
FLYERSX	1300 New Hwy Farmingdale, NY 11735 Phone: 631-454-0626	ENG TT 247 4 TACH: 247 4
W Cirrus AMM 5-20 and Ly mple for AvLab oil analysis.	coming Maintenance Manual. Serviced with 7 quads of Aeroshell	15W50. Replaced oil filter sected, cleaned and
	s) on N87VB were repaired and ind to be in airworthy condition. Scribed above, this date and time ED: WcFadden, A&P: 4138120 NASSAU FLYERS Action check IAW Cirrus AM: W Cirrus AMUM 5-20 and Lympier of AVLab oil analysis. Sulate inspection on filter, no	NASSAU FLYERS Nassau Flyers 1300 New Hwy Farmingdale, NY 11735 Phone: 631-454-0626 Incition check IAW Cirrus AMM 5-30. W Cirrus AMM 5-20 and Lycoming Maintenance Manual. Imple for AVLab oil analysis. Serviced with 7 quarts of Aeroshell inspection on fifter, no discrepancies noted Removed, inspection on fifter no discrepancies noted Removed inspection.

This aircraft, engine, propeller or component(s) on N87VB were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above, this date and times

DATE: 6/30/2020

SIGNED: (Darion McFadden, A&P: 4138120

Work Order: 6614

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ENGINE MODEL 10-390-C3B6 ENGINE S/N: L-931-80E REG. NO. N87VB WORK ORDER: 6631



Nassau Flyers

1300 New Hwy Farmingdale, NY 11735 Phone: 631-454-0626

DATE: 7/18/2020 A/C TSN: 284.6 ENG TT: 284.6 TACH: 284 6

Engine Entries

Removed inoperable manifold pressure sensor and replaced with new. Performed operational check of same, no defects noted

Maintenance Release

This aircraft engine, propeller or component(s) on N87VB were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described and

DATE: 7/18/2020

SIGNED:

Work Order: 6631

Darion McFadden, A&P: 4138120

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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.

DATE: 8/25/2020 A/C TSN: 296.4 ENG TT: 296.4 TACH: 296 4

Engine Entries

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BRO

Performed engine operational and function check IAW Cirrus AMM 5-30.

*Performed engine 100 hour inspection IAW Cirrus AMM 5-20 and Lycoming Maintenance Manual

*Ran engine to normal operating temperature and checked systems for normal operation, no defects noted.

*Performed cylinder visual inspection, differential compression check, and intercylinder baffle inspection IAW Lycoming Maintenance

Manual. Compression results as follows: 1)76/80. 2)74/80. 3)75/80. 4)74/80.

*Drained engine oil and collected oil sample for AvLab oil analysis. Serviced engine with 7 quarts Aeroshell 15W50 oil *Performed particulate inspection on filter, no discrepancies noted. Removed, inspected, cleaned and reinstalled oil suction screen,

no discrepancies noted.

*Installed/torqued/saftied new oil filter(CH48-110).

*Removed/cleaned/gapped/tested reinstalled all spark plugs with new gaskets, no defects noted.

*C/W ICA Tanis Engine Heater, no defects noted.

*Checked magneto to engine timing, adjusted as necessary.

Removed fuel injector nozzles, cleaned, inspected, and re-installed. No defects noted.

Replaced leaking crankshaft seal with new.

Removed cracked weldment heat shield from fuel servo and replaced with new.

Removed damaged governor control cable bracket, and replaced with new

Removed chipped starter ring gear and replaced with new.

Removed cracked LH side rear engine baffle and replaced with new.

· Removed deteriorating rubber grommet from aft RH engine baffle and replaced with new.

Washed down engine and lubricated controls.

*Run up and leak checks performed with no discrepancies noted. All work accomplished IAW Cirrus AMM 12-10 and Lycoming Maintenance Manual.

Maintenance Release

This aircraft, engine, propeller or component(s) on N87VB were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above, this date and times

DATE: 8/25/2020

SIGNED:

Darion McFadden, A&P 4138120

Work Order: 6642

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ENGINE MODEL: 10-390-C3B6 ENGINE S/N: L-931-80E REG NO: N87VB WORK ORDER: 6675

Nassau FLYERSX Nassau Flyers

1300 New Hwy Farmingdale, NY 11735 Phone: 831-454-0626

DATE: 9/21/2020 A/C TSN: 351 6 ENG TT 351 6 TACH: 351 6

Engine Entries

Performed engine operational and function check IAW Cirrus AMM 5-30.

*Performed engine 50 Hr. inspection IAW Cirrus AMM 5-20 and Lycoming Maintenance Manual.

*Drained engine oil and collected oil sample for AvLab oil analysis. Serviced with 7 quarts of Aeroshell 15W50. Replaced oil filter with new (CH48-110). Performed particulate inspection on filter, no discrepancies noted. Removed, inspected, cleaned and reinstalled oil suction screen, no discrepancies noted.

*Washed down engine and lubricated controls.

*Performed post inspection run up and leak checks with no discrepancies noted. All work accomplished IAW Cirrus AMM 12-10 and Lycoming Maintenance Manual,

Maintenance Release

This aircraft, engine, propeller or component(s) on N87VB were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft, engine propeller or component(s) is approved for return to service regarding the work performed and described above, this date and times.

DATE: 9/21/2020

SIGNED

Sean McFadden, A&P 3647763

Work Order: 6675

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ENGINE MODEL: IO-390-C3B6 ENGINE S/N: L-931-80E REG. NO: N87VR WORK ORDER 6685

NASSAU LYERS

Nassau Flyers

1300 New Hwy Farmingdale, NY 11735 Phone 631-454-0626

DATE: 10/9/2020 A/C TSN: 376 2 ENG TT 376 2 TACH: 376.2

Engine Entries

Troubleshot "aircraft will not start", found LH magneto retard points defective.

Removed, cleaned, gapped, tested, reinstalled all 8 spark plugs, no defects noted

Removed defective LH magneto and replaced with new (P/N: 4345; S/N off: 19051099, S/N on: 19040694).

*Checked magneto to engine timing, adjusted as necessary

Installed adel clamps to secure Tanis engine pre-heater wiring

Maintenance Release

This aircraft, engine, propeller or component(s) on N87VB were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above, this date and times.

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DATE: 10/9/2020

SIGNED

Work Order: 6685

Darion McFadden, A&P: 4138120

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ENGINE MODEL: 10-390-C3B6 ENGINE S/N: L-931-80E REG. NO: N87VB WORK ORDER: 6701



Nassau Flyers

1300 New Hwy Farmingdale, NY 11735 Phone: 631-454-0626 DATE: 11/17/2020 A/C TSN: 396.1 ENG TT: 396.1 TACH: 396.1

Engine Entries

В

· Performed engine operat	ional and function ch	eck IAW Cirrus AMM 5-30.
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*Performed engine 100 hour inspection IAW Cirrus AMM 5-20 and Lycoming Maintenance Manual.

*Ran engine to normal operating temperature and checked systems for normal operation, no defects noted.

*Performed cylinder visual inspection, differential compression check, and intercylinder baffle inspection IAW Lycoming Maintenance Manual. Compression results as follows: 1)70/80. 2)72/80. 3)56/80. 4)70/80.

*Drained engine oil and collected oil sample for AvLab oil analysis. Serviced engine with 7 quarts Aeroshell 15W50 oil.

*Performed particulate inspection on filter, no discrepancies noted. Removed, inspected, cleaned and reinstalled oil suction screen, no discrepancies noted.

*Installed/torqued/saftied new oil filter(CH48-110).

*Removed/cleaned/gapped/tested reinstalled all spark plugs with new gaskets, no defects noted.

*C/W ICA Tanis Engine Heater, no defects noted.

*Checked magneto to engine timing, adjusted as necessary.

C/W Lycoming SB301b, Valve Inspection, by inspection, no defects noted. Replaced all valve cover gaskets with new and torqued all valve cover screws.

· Washed down engine and lubricated controls.

*Run up and leak checks performed with no discrepancies noted. All work accomplished IAW Cirrus AMM 12-10 and Lycoming Maintenance Manual.

Maintenance Release

This aircraft, engine, propeller or component(s) on N87VB were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above, this date and times.

DATE: 11/17/2020

SIGNED:

Work Order: 6701

Mohammed Farhanuddin, A&P: 4183289

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ENGINE MODEL: 10-390-C3B6 ENGINE S/N: L-931-80E REG. NO: N87VB WORK ORDER: 6721



Nassau Flyers

1300 New Hwy Farmingdale, NY 11735 Phone: 631-454-0626 DATE: 12/11/2020 A/C TSN: 443.6 ENG TT: 443.6 TACH: 443.6

Engine Entries

· Performed engine operational and function check IAW Cirrus AMM 5-30.

*Performed engine 50 Hr. inspection IAW Cirrus AMM 5-20 and Lycoming Maintenance Manual.

*Drained engine oil and collected oil sample for AvLab oil analysis. Serviced with 7 quarts of Aeroshell 15W50. Replaced oil filter with new (CH48-110). Performed particulate inspection on filter, no discrepancies noted. Removed, inspected, cleaned and reinstalled oil suction screen, no discrepancies noted.

*Washed down engine and lubricated controls.

*Performed post inspection run up and leak checks with no discrepancies noted. All work accomplished IAW Cirrus AMM 12-10 and Lycoming Maintenance Manual.

Maintenance Release

This aircraft, engine, propeller or component(s) on N87VB were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above, this date and times

DATE: 12/11/2020

SIGNED:

Work Order: 6721

Mohammed Farhanuddin, A&P: 4183289

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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 MODEL: IO-390-C3B6 ENGINE S/N: L-931-80E REG, NO: N87VB WORK ORDER: 6731



Nassau Flyers

1300 New Hwy Farmingdale, NY 11735 Phone: 631-454-0626 DATE: 1/6/2021 A/C TSN: 462 9 ENG TT: 462 9 TACH: 462 9

Engine Entries

	 Performed engine operational *Performed engine 100 hour in 	l and tunction check I <i>F</i> spection IAW Cirrus A	NV Cirrus AMM MM 5-20 and L	ี 5-30. vcomina Maintenance M	anual.		
_	*Ran engine to normal operation	g temperature and ch	ecked systems	for normal operation, no	defects noted.	1	
);	*Performed cylinder visual inspection, differential compression check, and intercylinder baffle inspection IAW Lycoming Maintenance Manual. Compression results as follows: 1)70/80. 2)67/80. 3)70/80. 4)72/80.						
-	*Drained engine oil and collected oil sample for AvLab oil analysis. Serviced engine with 7 quarts Aeroshell 15W50 oil.						
RI 	*Performed particulate inspection on filter, no discrepancies noted. Removed, inspected, cleaned and reinstalled oil suction screen,						
_	no discrepancies noted.						
_	*Installed/torqued/saftied new oil filter(CH48-110). *Removed/cleaned/gapped/tested reinstalled all serviceable spark plugs with new gaskets, found top spark plug on cylinder #4						
2	cracked.						
R	*C/W ICA Tanis Engine Heater Removed dirty induction air fi		new				
•	Removed old LH magneto an	d replaced with new (F	P/N: 4345; S/N	off: 19040694, S/N on: 2	0070058).		
	Removed old RH magneto ar	d replaced with new (P/N: 4370; S/N	off: 19030602, S/N on: 1	9050205).		
	*Checked magneto to engine to Removed damaged spark plu			new.			
	Replaced leaking crankshaft	seal with new.					
	 Removed cracked weldment Removed damaged governor 						
	Washed down engine and lub		and clip, and re	placed with new.			
•	*Run up and leak checks perfo	rmed with no discrepa	ıncies noted. Al	work accomplished IAV	/ Ciπus AMM 12-10 a	nd Lycoming	
	Maintenance Manual.						
	Maintenance Release This aircraft, engine, propeller or cormanufacturers recommendations an service regarding the work performe	d was found to be in airwo	orthy condition. Th	spected in accordance with c is aircraft, engine, propeller	urrent Federal Aviation R or component(s) is approv	egulations and ved for return to	
	DATE: 1/6/2021	SIGNED:	. 11/2	211_	,	Work Order: 6731	
	5/112. 1/0/2021	Darion McFadden, A&P	4138120		Printed by EBis 3		
		Dallott Mor addell, 700	. 4100120		Timed by Ebis 6	(dateomedia.com)	
	ENGINE MODEL: 10-390-C3B6 ENGINE S/N: L-931-80E		Nassau	Nassau Flyers		DATE: 2/22/2021 A/C TSN: 510.4	
	REG; NO: N87VB		FLYERSX	1300 New Hwy		ENG TT: 510.4	
	WORK ORDER: 6762			Farmingdale, NY 11735 Phone: 631-454-0626		TACH: 510.4	
	Engine Entries						
	*Performed engine operatio *Performed engine 50 Hr. in *Drained engine oil and colle with new (CH48-110). Perforeinstalled oil suction screer *Washed down engine and I *Performed post inspection Lycoming Maintenance Man	spection IAW Cirrus Al ected oil sample for Avi rmed particulate inspec i, no discrepancies not ubricated controls. run up and leak checks	MM 5-20 and Ly Lab oil analysis. ction on filter, no ed.	coming Maintenance Mar Serviced with 7 quarts of discrepancies noted. Re	Aeroshell 15W50. Repmoved, inspected, clea	ned and	
	Maintenance Release						
	This aircraft, engine, propeller or manufacturers recommendations service regarding the work performs	and was found to be in air	worthy condition.	This aircraft, engine, propeller			
	DATE: 2/22/2021	SIGNED:	16		,	Work Order: 6762	
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ENGINE MODEL: 10-390-C3B6 ENGINE S/N: L-931-80E REG. NO: N87VB WORK ORDER: 6792



Nassau Flyers

1300 New Hwy Farmingdale, NY 11735 Phone: 631-454-0626 DATE: 3/24/2021 A/C TSN: 556 3 ENG TT: 556 3 TACH: 556 3

Engine Entries

· Performed engine operational and function check IAW Cirrus AMM 5-30.

*Performed engine 100 hour inspection IAW Cirrus AMM 5-20 and Lycoming Maintenance Manual.

*Ran engine to normal operating temperature and checked systems for normal operation, no defects noted

*Performed cylinder differential compression checks and borescope inspections IAW Continental AMM Manual. No discrepancies noted. Compression results as follows: 1)62/80. 2)72/80. 3)70/80. 4)74/80.

*Performed particulate inspection on filter, no discrepancies noted. Drained engine oil and collected oil sample for AvLab oil analysis. Serviced engine with 7 quarts Aeroshell 15W50 oil.

*Removed/cleaned/inspected/reinstalled oil suction screen.

*Removed oil filter and inspected for metal contamination, no metal noted. Installed/torqued/saftied new oil filter(CH48-110).

*Replaced all worn spark plugs with new.

*C/W ICA Tanis Engine Heater, no defects noted.

*Checked magneto to engine timing, adjusted as necessary.

Removed fuel injector nozzles, cleaned, inspected, tested, and reinstalled. No defects noted.

· Removed cracked forward baffle assembly bracket and replaced with new.

Removed leaking oil filler neck gasket and replaced with new.

· Washed down engine and lubricated controls.

*Performed post inspection run up and leak check, no defects noted.

*All work accomplished IAW Cirrus AMM 12-10 and Continental AMM.

Maintenance Release

This aircraft, engine, propeller or component(s) on N87VB were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above, this date and times

DATE: 3/24/2021

SIGNED: Darion McFadden, A&P: 4138120

Work Order: 6792

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ENGINE MODEL: 10-390-C3B6 ENGINE S/N: L-931-80E REG NO: N87VB WORK ORDER: 6823



Nassau Flyers

1300 New Hwy Farmingdale, NY 11735 Phone: 631-454-0626 DATE: 5/10/2021 A/C TSN: 603.5 ENG TT: 603.5 TACH: 603.5

Engine Entries

· Performed engine operational and function check IAW Cirrus AMM 5-30.

*Performed engine 50 Hr. inspection IAW Cirrus AMM 5-20 and Lycoming Maintenance Manual.

*Drained engine oil and collected oil sample for AvLab oil analysis. Serviced with 7 quarts of Aeroshell 15W50. Replaced oil filter with new (CH48-110). Performed particulate inspection on filter, no discrepancies noted. Removed, inspected, cleaned and reinstalled oil suction screen, no discrepancies noted.

*Washed down engine and lubricated controls

*Performed post inspection run up and leak checks with no discrepancies noted. All work accomplished IAW Cirrus AMM 12-10 and Lycoming Maintenance Manual.

Maintenance Release

This aircraft, engine, propeller or component(s) on N87VB were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above, this date and times

DATE: 5/10/2021

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Work Order: 6823

Sean McFadden, A&P: 3647763

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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 MODEL: IO-390-C3B6 ENGINE S/N: L-931-80E REG. NO: N87VB WORK ORDER: 6846



Nassau Flyers

1300 New Hwy Farmingdale, NY 11735 Phone: 631-454-0626 DATE: 6/17/2021 A/C TSN: 656.8 ENG TT: 656.8 TACH: 656,8

Engine Entries

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Performed engine operational and function check IAW Cirrus AMM 5-30.

*Performed engine 100 hour inspection IAW Cirrus AMM 5-20 and Lycoming Maintenance Manual.

*Ran engine to normal operating temperature and checked systems for normal operation, no defects noted.

*Performed cylinder visual inspection, differential compression check, and intercylinder baffle inspection IAW Lycoming Maintenance Manual, Compression results as follows: 1)62/80. 2)72/80. 3)42/80. 4)70/80.

*Drained engine oil and collected oil sample for AvLab oil analysis. Serviced engine with 7 quarts Aeroshell 15W50 oil.

*Performed particulate inspection on filter, no discrepancies noted. Removed, inspected, cleaned and reinstalled oil suction screen, no discrepancies noted.

*Installed/torqued/saftied new oil filter(CH48-110).

*Removed/cleaned/gapped/tested all spark plugs and replaced cylinder #3 lower defective spark plug with new and reinstalled all spark plugs with new gaskets, no defects noted.

*C/W ICA Tanis Engine Heater, no defects noted.

*Checked magneto to engine timing, adjusted as necessary

Removed cylinder #3 due to failed compressions and replaced with new (P/N: 05K26625, S/N off: 2419 8567-036, S/N on:

188023), Performed ground break in procedures per CMI M-O, current revision.

Washed down engine and lubricated controls.

*Run up and leak checks performed with no discrepancies noted. All work accomplished IAW Cirrus AMM 12-10 and Lycoming Maintenance Manual.

Maintenance Release

This aircraft, engine, propeller or component(s) on N87VB were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above, this date and times.

DATE: 6/17/2021

SIGNED:

Work Order: 6846

Mohammed Farhanuddin, A&P: 4183289

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ENGINE MODEL: IO-390-C3B6 ENGINE S/N: L-931-80E REG. NO: N87VB WORK ORDER: 6872



Nassau Flyers

1300 New Hwy Farmingdale, NY 11735 Phone 631-454-0626

DATE: 7/13/2021 A/C TSN 684 3 ENG TT 684 3 TACH: 684.3

Engine Entries

Ran engine to normal operating temperature and checked systems for proper operation, no defects noted

*Drained engine oil. Serviced with (7) quarts of (Phillips 20W50 Mineral) Replaced oil filter with new (CH48-110)
*Washed down engine and lubricated controls.

*Run up and leak checks performed with no discrepancies noted. All work accomplished IAW Cirrus AMM 12-10 and Lycoming Maintenance Manual

Maintenance Release

This aircraft, engine, propeller or component(s) on N87VB were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above, this date and times

DATE: 7/13/2021

SIGNED



Work Order: 6872

Mohammed Farhanuddin, A&P: 4183289

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ENGINE MODEL 10-390-C3B6 ENGINE S/N: L-931-80E REGUNO: N87VB WORK ORDER: 6882



Nassau Flyers

1300 New Hwy Farmingdaie, NY 11735 Phone: 631-454-0626

DATE: 7/23/2021 A/C TSN: 698.5 ENG TT: 698.5

Engine Entries

Performed engine operational and function check IAW Cirrus AMM 5-30
*Performed engine 50 hr inspection IAW Cirrus AMM 5-20 and Lycoming Maintenance Manual
*Drained engine oil and serviced engine with 7 quarts of Aeroshell 15W50 Replaced oil filter with new (CH48-110) Performed particulate inspection on filter, no discrepancies noted. Removed, inspected, cleaned and reinstalled oil suction screen, no discrepancies noted

Installed baffle plug on new LH aft engine baffle as per SB2X-71-32R1

Washed down engine and lubricated controls

*Performed post inspection run up and leak checks with no discrepancies noted. All work accomplished IAW Cirrus AMM 12-10 and Lycoming Maintenance Manual

Maintenance Release

This aircraft, engine, propeller or component(s) on N87VB were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above, this date and times

DATE: 7/23/2021

SIGNED:

Mohammed Farhanuddin, A&P: 4183289

Work Order: 6882

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1300 New Hwy Farmingdale, NY 11735 Phone: 631-454-0626 DATE: 8/18/2021 A/C TSN: 752 4 ENG TT: 752 4 TACH: 752 4

Engine Entries

Performed engine operational and function check IAW Cirrus AMM 5-30

*Performed engine 100 hour inspection IAW Cirrus AMM 5-20 and Lycoming Maintenance Manual

*Ran engine to normal operating temperature and checked systems for normal operation, no defects noted.

*Performed cylinder visual inspection, differential compression check, and intercylinder baffle inspection IAW Lycoming Maintenance Manual Compression results as follows: 1)64/80 2)72/80 3)68/80 4)64/80

*Drained engine oil and collected oil sample for AvLab oil analysis. Serviced engine with 7 quarts Aeroshell 15W50 oil

*Performed particulate inspection on filter, no discrepancies noted. Removed, inspected, cleaned and reinstalled oil suction screen, no discrepancies noted

*Installed/torqued/saftied new oil filter(CH48-110)

*Removed/cleaned/gapped/tested reinstalled all spark plugs with new gaskets, no defects noted

*C/W ICA Tanis Engine Heater, no defects noted

*Checked magneto to engine timing, adjusted as necessary

C/W Lycoming SB 301b, 400 Hour Valve Check by inspection, no defects noted

Washed down engine and lubricated controls

Run up and leak checks performed with no discrepancies noted. All work accomplished IAW Cirrus AMM 12-10 and Lycoming" Maintenance Manual

Maintenance Release

This aircraft, engine, propeller or component(s) on N87VB were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above, this date and times

DATE: 8/18/2021

SIGNED:

Work Order: 6898

Mohammed Farhanuddin, A&P: 4183289

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ENGINE MODEL: IO-390-C3B6 ENGINE S/N: L-931-80E REG. NO: N87VB WORK ORDER: 6924



Nassau Flyers

1300 New Hwy Farmingdale, NY 11735 Phone: 631-454-0626 DATE: 9/16/2021 A/C TSN: 801.8 ENG TT: 801.8 TACH: 801.8

Engine Entries

Performed engine operational and function check IAW Cirrus AMM 5-30.

*Performed engine 50 hr inspection IAW Cirrus AMM 5-20 and Lycoming Maintenance Manual.

*Drained engine oil and collected oil sample for AvLab oil analysis. Serviced with 7 quarts of Aeroshell 15W50. Replaced oil filter with new (CH48-110). Performed particulate inspection on filter, no discrepancies noted. Removed, inspected, cleaned and reinstalled oil suction screen, no discrepancies noted.

*Washed down engine and lubricated controls.

*Performed post inspection run up and leak checks with no discrepancies noted. All work accomplished IAW Cirrus AMM 12-10 and Lycoming Maintenance Manual.

Maintenance Release

This aircraft, engine, propeller or component(s) on N87VB were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above, this date and times.

DATE: 9/16/2021

Work Order: 6924

Darion McFadden, A&P: 4138120

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ENGINE MODEL: 10-390-C3B6 ENGINE S/N: L-931-80E REG NO: N87VB WORK ORDER: 6939



Nassau Flyers

1300 New Hwy Farmingdale, NY 11735 Phone: 631-454-0626 DATE: 10/12/2021 A/C TSN: 838 7 ENG TT: 838 7 TACH: 838.7

Engine Entries

Performed engine operational and function check IAW Cirrus AMM 5-30

*Performed engine 100 hour inspection IAW Cirrus AMM 5-20 and Lycoming Maintenance Manual

*Ran engine to normal operating temperature and checked systems for normal operation, no defects noted,

*Performed cylinder visual inspection, differential compression check, and intercylinder baffle inspection IAW Lycoming Maintenance Manual Compression results as follows: #1:68 #2:74 #3:70 #4:74

*Drained engine oil and collected oil sample for AvLab oil analysis. Serviced engine with 7 quarts Aeroshell 15W50 oil.

*Performed particulate inspection on filter, no discrepancies noted. Removed, inspected, cleaned and reinstalled oil suction screen, no discrepancies noted.

*Installed/torqued/saftied new oil filter(CH48-110)

*Removed/cleaned/gapped/tested reinstalled all spark plugs with new gaskets, no defects noted

*C/W ICA Tanis Engine Heater, no defects noted

*Checked magneto to engine timing, adjusted as necessary

Removed fuel injector nozzles, cleaned, inspected, tested, and reinstalled. No defects noted

Replaced cracked LH fwd side baffle with new

Washed down engine and lubricated controls.

*Run up and leak checks performed with no discrepancies noted. All work accomplished IAW Cirrus AMM 12-10 and Lycoming Maintenance Manual

Maintenance Release

This aircraft, engine, propeller or component(s) on N87VB were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above and times

DATE: 10/12/2021

SIGNED John Magnowski, A&P 3273394

Work Order: 6939

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1300 New Hwy Farmingdale, NY 11735 Phone: 631-454-0626

DATE: 11/12/2021 A/C TSN: 890 9 ENG TT 890 9 TACH: 890 9

Engine Entries

Performed engine operational and function check IAW Cirrus AMM 5-30,

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*Performed engine 50 hr inspection IAW Cirrus AMM 5-20 and Lycoming Maintenance Manual, *Drained engine oil and collected oil sample for AvLab oil analysis, Serviced with 7 quarts of Aeroshell 15W50, Replaced oil filter with new (CH48-110), Performed particulate inspection on filter, no discrepancies noted, Removed, inspected, cleaned and reinstalled oil suction screen, no discrepancies noted

Washed down engine and lubricated controls

*Performed post inspection run up and leak checks with no discrepancies noted. All work accomplished IAW Cirrus AMM 12-10 and Lycoming Maintenance Manual,

Maintenance Release

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This aircraft, engine, propeller or component(s) on N87VB were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft lengthe, propeller or component(s) is approved for return to service regarding the work performed and described above this date and times. service regarding the work performed and described above

DATE: 11/12/2021

SIGNED John Magnow Work Order: 6970

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ENGINE MODEL: 10-390-C386 ENGINE S/N: L-931-80E REG. NO: N87VB WORK ORDER: 6984



Nassau Flyers

1300 New Hwy Farmingdale, NY 11735 Phone 631-454-0626

DATE: 12/2/2021 A/C TSN: 915 ENG TT: 915 TACH: 915

Engine Entries

Removed leaking LH magneto gasket and replaced with new (P/N: LW12681).

*Checked magneto to engine timing, adjusted as necessary. Performed an operational and leak check of the same, no defects

Replaced leaky oil filler tube base gasket with new (P/N: 72059). Performed an operational and leak check of the same, no defects noted.

Maintenance Release

This aircraft, engine, propeller or component(s) on N87VB were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above, this date and times

DATE: 12/2/2021

SIGNED

Mohammed Farhanuddin, A&P, 4183289

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ENGINE MODEL: IO-390-C3B6 ENGINE S/N: L-931-80F REG, NO: N87VB WORK ORDER: 6987



Nassau Flyers

1300 New Hwy Farmingdale, NY 11735 Phone, 631-454-0626 DATE: 12/16/2021 A/C TSN: 932.2 ENG TT: 932.2 TACH: 932.2

Engine Entries

Performed engine operational and function check IAW Cirrus AMM 5-30.

*Performed engine 100 hour inspection IAW Cirrus AMM 5-20 and Lycoming Maintenance Manual.

*Ran engine to normal operating temperature and checked systems for normal operation, no defects noted

*Performed cylinder visual inspection, differential compression check, and intercylinder baffle inspection IAW Lycoming Maintenance Manual, Compression results as follows: 1)70/80, 2)76/80, 3)77/80, 4)76/80,

*Drained engine oil and collected oil sample for AvLab oil analysis. Serviced engine with 7 quarts Aeroshell 15W50 oil

*Performed particulate inspection on filter, no discrepancies noted. Removed, inspected, cleaned and reinstalled oil suction screen, no discrepancies noted

*Installed/torqued/saftied new oil filter(CH48-110).

*Removed/cleaned/gapped/tested all spark plugs, found all spark plugs to be worn and replaced with new (P/N: REB37E), no defects noted.

*C/WICA Tanis Engine Heater, no defects noted.

*Checked magneto to engine timing, adjusted as necessary

Removed dirty induction air filter and replaced with new (P/N: P198290).

Removed inoperable magneto and replaced with new (P/N: 4345; S/N off: 20070058, S/N on: 21070860),

Removed magneto for 500 hour inspection and replaced with new (P/N: 4370; S/N off: 19050205, S/N on: 21071193).

*Checked magneto to engine timing, adjusted as necessary

C/W 500 hr alternator #1 inspection by removing and replacing worn alternator #1 with new (P/N: 31089-001; S/N off: H-T061928, S/N on: H-V101758),

C/W 500 hr alternator #2 inspection by removing and replacing worn alternator #2 with new (P/N: 31090-001; S/N off: H-T072683, S/N on: H-V081731)

Removed and replaced broken ignition lead on LH magneto cap for cylinder #1 top. Performed an operational check of same, no defects noted.

Removed and replaced broken ignition lead on RH magneto cap for cylinder #3 bottom. Performed an operational check of same, no defects noted

Removed cracked lower right engine mount isolator and replaced with serviceable spare

1 of 2

Washed down engine and lubricated controls

*Run up and leak checks performed with no discrepancies noted. All work accomplished IAW Cirrus AMM 12-10 and Lycoming Maintenance Manual

Maintenance Release

This aircraft, engine, propeller or component(s) on N87VB were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft engine, propeller or component(s) is approved for return to service regarding the work performed and described above, this date and times

DATE: 12/16/2021

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SIGNED



Work Order: 6987

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1300 New Hwy Farmingdale, NY 11735 Phone: 631-454-0626 DATE: 2/25/2022 A/C TSN: 977 8 ENG TT: 977 8 TACH: 977 8

Engine Entries

Performed engine operational and function check IAW Cirrus AMM 5-30.

*Performed engine 50 hr inspection IAW Cirrus AMM 5-20 and Lycoming Maintenance Manual

*Drained engine oil and collected oil sample for AvLab oil analysis. Serviced with 7 quarts of Aeroshell 15W50, Replaced oil filter with new (CH48-110). Performed particulate inspection on filter, no discrepancies noted. Removed, inspected, cleaned and reinstalled oil suction screen, no discrepancies noted.

*Washed down engine and lubricated controls

*Performed post inspection run up and leak checks with no discrepancies noted. All work accomplished IAW Cirrus AMM 12-10 and Lycoming Maintenance Manual

Maintenance Release

This aircraft, engine, propeller or component(s) on N87VB were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above, this date and times

DATE: 2/25/2022

SIGNED:

Work Order: 7038

Mohammed Farhanuddin, A&P: 4183289

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ENGINE MODEL: 10-390-C3B6 ENGINE S/N: L-931-80E REG. NO: N87VB WORK ORDER: 7066



Nassau Flvers

1300 New Hwy Farmingdale, NY 11735 Phone 631-454-0626

DATE: 4/1/2022 A/C TSN: 1026 5 ENG TT: 1026 5 TACH: 1026.5

Engine Entries

Performed engine operational and function check IAW Cirrus AMM 5-30.

*Performed engine 100 hour inspection IAW Cirrus AMM 5-20 and Lycoming Maintenance Manual

*Ran engine to normal operating temperature and checked systems for normal operation, no defects noted

*Performed cylinder visual inspection, differential compression check, and intercylinder baffle inspection IAW Lycoming Maintenance Manual. Compression results as follows: 1)71/80. 2)78/80. 3)80/80. 4)71/80.

*Drained engine oil and collected oil sample for AvLab oil analysis. Serviced engine with 7 quarts Aeroshell 15W50 oil

*Performed particulate inspection on filter, no discrepancies noted. Removed, inspected, cleaned and reinstalled oil suction screen. no discrepancies noted.

*Installed/torqued/saftied new oil filter(CH48-110).

*Removed/cleaned/gapped/tested reinstalled all spark plugs with new gaskets, no defects noted.

*C/W ICA Tanis Engine Heater, no defects noted

*Checked magneto to engine timing, adjusted as necessary

Removed worn engine mound isolator set and replaced with new (P/N: 35196-001).

· Washed down engine and lubricated controls

*Run up and leak checks performed with no discrepancies noted. All work accomplished IAW Cirrus AMM 12-10 and Lycoming Maintenance Manual

Maintenance Release

This aircraft, engine, propeller or component(s) on N87VB were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above, this date and times

DATE: 4/1/2022

SIGNED:

Work Order: 7066

Mohammed Farhanuddin, A&P: 4183289

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ENGINE MODEL: 10-390-C3B6 ENGINE S/N: L-931-80E REG. NO: N87VB WORK ORDER: 7120



Nassau Flyers

1300 New Hwy Farmingdale, NY 11735 Phone: 631-454-0626

DATE: 6/7/2022 A/C TSN: 1081.6 ENG TT: 1081.6 TACH: 1081.6

Engine Entries

Performed engine operational and function check IAW Cirrus AMM 5-30.

*Performed engine 50 hr inspection IAW Cirrus AMM 5-20 and Lycoming Maintenance Manual.

*Drained engine oil and collected oil sample for AvLab oil analysis. Serviced with 7 quarts of Aeroshell 15W50. Replaced oil filter with new (CH48-110). Performed particulate inspection on filter, no discrepancies noted. Removed, inspected, cleaned and reinstalled oil suction screen, no discrepancies noted.

Replaced oil pressure sensor with new. Performed an operational and leak check of same, no defects noted

#1 cylinder oil return line leaking, repositioned and re-torqued clamps. Leak check good

Washed down engine and lubricated controls

*Performed post inspection run up and leak checks with no discrepancies noted. All work accomplished IAW Cirrus AMM 12-10 and Lycoming Maintenance Manual

Maintenance Release

This aircraft, engine, propeller or component(s) on N87VB were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above this water and times.

DATE: 6/7/2022

SIGNED John Magn

Work Order: 7120

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