

ENGINE LOG BOOK



Engine Log & Maintenance Record

LOG #: 1

RECORD OF Lycoming IO-360-C1C6 RL-31187-51E
(MAKE) (MODEL) (SERIAL)

AIRCRAFT REGISTRATION NUMBER: N752KS

FROM 9/4 2020 TO _____ 20____

DETAILING TIME FROM 0.0 TO _____
(HOURS) (HOURS)

If used on a multi-engine aircraft: _____Right _____Left _____Front _____Rear

Rebuilt Engine Certificate of Conformance

LYCOMING

This is to certify that the engine as described hereinafter has been REBUILT in accordance with the applicable Lycoming specifications. It has been determined airworthy to return to service and is in a condition for safe operation. All applicable Federal Aviation Administration Airworthiness Directives and Lycoming Service Publications have been complied with. All accessories as part of the type certificate are new or newly rebuilt. Refer to enclosed Form ET001 for applicable accessory part numbers and serial numbers.

Part Number RENPL-RT9325
Serial Number RL-31187-51E
Engine Model IO-360-C1C6
Work Order KM752571
Total Time 0

[Signature] 3/10/2020
Authorized Representative Date

Production Certificate #3

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

Form 2481 Rev 05/13

Engine Log

Serial # _____

Engine Log

Serial # _____

KENT STATE
UNIVERSITY
ENGINE
N752KS

Engine Total Time: 0.0

Complied with an Engine Change:
Installed this rebuilt engine P/N IO-360-C1C6, S/N RL-31187-51E (By Lycoming under W/O# MS-529894 dated 03/12/2020) on aircraft N752KS. Serviced engine with 6 qts Aeroshell 100 Mineral oil. Installed new lord mounts, hoses, hardware, and exhaust gaskets. C/W: **AD 2015-19-07** (fuel system inspection) by visual inspection with no defects noted. Next due at AFTT **2497.0**. Adjusted idle speed and mixture settings IAW **A.D. 2001-06-17**. Installed serviceable Tanis engine preheater. Performed post maintenance engine run-up for leak check, no leaks noted. All work performed IAW the Piper PA-28R-201 Arrow (S/N's 2844001 and up) Aircraft Maintenance Manual and the Lycoming Direct Drive Engine Maintenance Manual.
The engine and related accessories were changed as follows.

ITEM	REMOVED			INSTALLED		
	PART#	SERIAL #	TIS/TSO	PART#	SERIAL #	TIS/TSO
ENGINE	IO-360-C1C6	L-36467-51E	2387.0 TIS	IO-360-C1C6	RL-31187-51E	0.0 TIS
PROP	HC-C2YR-1BFP/F7497	NS4170B	444.2 TIS	HC-C2YR-1BFP/F7497	NS4170B	444.2 TIS
STARTER	149-NL	FN-4616113	1091.6 TIS	149-NL	FN-4616113	1091.6 TIS
ALTERNATOR	ALX-8521-LS1	H-O090187	2387.0 TIS	ALX-8521-LS1	H-O090185	0.0 TSO
OIL COOLER	20017A	I14-12396-4	2387.0 TIS	20017A	I14-12396-1	0.0 TSO
Governor	F-2-7A	G131WJ	2387.0 TIS	F-2-7A	G131WJ	0.0 TSO
MAGNETO (S)	L: 4372	14071667	2387.0 TIS	4372	19120557	0.0 TSN
	R: 4370	14090050	2387.0 TIS	4370	19100647	0.0 TSN
INJECTOR	RSA-5AD1	72HD4404	2387.0 TIS	RSA-5AD1	AV28872804	0.0 TSO
FUEL PUMP	62B26931	H1913	2387.0 TIS	62B26931	0620L 0040	0.0 TSN
DISTRIBUTOR	63B26720	AV171462453	2387.0 TIS	63B26720	AV50714469	0.0 TSN

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Date: 09/04/2020
Signed: _____ Charles Doyle A&P 3125891

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

Date
BROUG

KENT STATE
UNIVERSITY

I certify that this **Engine-PA28R-201 (N752KS)** has been inspected in accordance with an Annual Inspection and was found to be in an airworthy condition.
Time in Service :0.0

A/C TOTAL TIME : 2387.0
ENG TOTAL TIME : 0.0
ENG T.S.M.O.H. : N/A
TACH TIME : 1131.9
PROP T.S.M.O.H. : N/A
PROP TOTAL TIME : 444.2

Complied with an Annual Inspection.
Compressions: 1) N/A/80 2) N/A/80 3) N/A/80 4) N/A/80. Complied with **A.D. 2015-19-07** (fuel injector lines) by visual inspection with no defects noted. A.D. next due at AFTT of **2497.0**. Tightened all fluid lines and hoses. Installed and tightened ignition leads. Cleaned and inspected sniffle valve. Adjusted idle mixture 3 clicks rich and adjusted idle speed. Performed post maintenance engine run-up for leak check, no leaks noted. Operational checked good. All work performed IAW the Lycoming Direct Drive Engine Maintenance Manual.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Date: 09/04/2020

Signed: _____ Charles Doyle A&P 3125891 IA

KENT STATE
UNIVERSITY
ENGINE-PA28R-201
N752KS
Total Time in Service: 24.9

A/C TOTAL TIME : 2411.9
ENG TOTAL TIME : 24.9
ENG T.S.M.O.H. : N/A
TACH TIME : 1156.8
PROP T.S.M.O.H. : N/A
PROP TOTAL TIME : 469.1

Complied with: **Lycoming S.I. 1492B** (oil filter insp.) & **S.B. 480E** (Oil filter & suction screen insp.). Changed oil & filter with 6 QTS. Aeroshell 100 mineral oil & AA48111 filter. Took oil sample. Visually inspected engine for general condition with no defects noted. Performed post maintenance engine run-up for leak check, no leaks noted, operationally checked good. Adjusted idle mixture setting 2 clicks rich. All work performed IAW the Lycoming Direct Drive Engine Maintenance Manual.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Date: 09/16/2020

Signed: _____ Joshua Eyring A+P 2761827

Page Total: _____

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Total to Date: _____

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

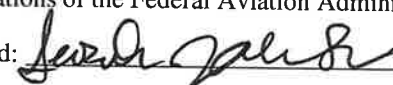
Engine Log

Serial # _____

KENT STATE UNIVERSITY ENGINE-PA28R-201 N752KS Total Time in Service: 6720.8	A/C TOTAL TIME :	2436.8
	ENG TOTAL TIME :	49.8
	ENG T.S.M.O.H. :	N/A
	TACH TIME :	1181.7
	PROP T.S.M.O.H. :	N/A
PROP TOTAL TIME :		494.0

Complied with, **50HR INSPECTION CHECK LIST**.
 Complied with: **Lycoming S.I. 1492B** (oil filter insp.) & **S.B. 480E** (Oil filter & suction screen insp.). Changed oil & filter with 6 QTS. Aeroshell W15W-50 & AA48111 filter. Took oil sample. Visually inspected engine for general condition with no defects noted. Adjusted the mixture 10 clicks lean and idle speed as required. Performed post maintenance engine run-up for leak check, no leaks noted, operationally checked good. All work performed IAW the Lycoming Direct Drive Engine Maintenance Manual.


The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Date: **10/2/2020**

Signed:  Sarah Johnson A&P 3762407

KENT STATE UNIVERSITY Engine-PA28R-201 (N752KS) has been inspected in accordance with an Annual Inspection and was found to be in an airworthy condition. Time in Service : 99.7	A/C TOTAL TIME :	2486.7
	ENG TOTAL TIME :	99.7
	ENG T.S.M.O.H. :	N/A
	TACH TIME :	1231.6
	PROP T.S.M.O.H. :	N/A
PROP TOTAL TIME :		543.9

Complied with an **Annual Inspection**.
 Compressions: 1) **76/80** 2) **76/80** 3) **75/80** 4) **76/80**. Took oil sample. Cut & inspected old oil filter. Cleaned, gapped, inspected, and rotated sparkplugs. Complied with **A.D. 2015-19-07** (fuel injector lines) by visual inspection with no defects noted. A.D. next due at AFTT of **2596.7**. Complied with **S.I. 1492D** (oil filter insp.) & **S.B. 480E** (Oil filter & suction screen insp.). Changed oil & filter with 6 QTS. Aeroshell W15W-50 and AA48111 filter. Cleaned fuel nozzles. Tightened all fluid lines and hoses. Installed and tightened ignition leads. Inspected and cleaned fuel inlet filter and threads, reinstalled using new O-rings. Cleaned and inspected snaffle valve. Adjusted magneto timing by retarding left magneto 3 degrees and right magneto 2 degrees. Performed post maintenance engine run-up for leak check, no leaks noted. Operational checked good. All work performed IAW the Lycoming Direct Drive Engine Maintenance Manual.

The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# **KSU2020-00631**. Date: **12/04/2020**

Signed:  Charles Doyle, Certified Repair Station NX3R886D.

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Total to Date: _____

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

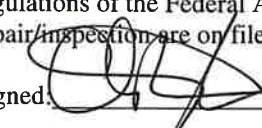
Engine Log

Serial # _____

KENT STATE UNIVERSITY ENGINE-PA28R-201 N752KS Total Time in Service: 153.5	A/C TOTAL TIME :	2540.5
	ENG TOTAL TIME :	153.5
	ENG T.S.M.O.H. :	N/A
	TACH TIME :	1285.4
	PROP T.S.M.O.H. :	N/A
PROP TOTAL TIME :		597.7

Complied with, **50HR INSPECTION CHECK LIST**.
 Complied with: **Lycoming S.I. 1492B** (oil filter insp.) & **S.B. 480E** (Oil filter & suction screen insp.). Changed oil & filter with 6 QTS. Aeroshell W15W-50 & AA48111 filter. Took oil sample. Visually inspected engine for general condition with no defects noted. Performed post maintenance engine run-up for leak check, no leaks noted, operationally checked good. All work performed IAW the Lycoming Direct Drive Engine Maintenance Manual.

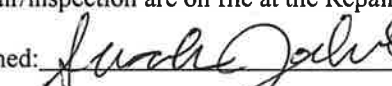
The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# **KSU2021-00055**. Date: **02/03/2021**

Signed:  Charles Doyle, Certified Repair Station NX3R886D.

KENT STATE UNIVERSITY Engine-PA28R-201 (N752KS) has been inspected in accordance with an Annual Inspection and was found to be in an airworthy condition. Time in Service : 199.2	A/C TOTAL TIME :	2586.2
	ENG TOTAL TIME :	199.2
	ENG T.S.M.O.H. :	N/A
	TACH TIME :	1331.1
	PROP T.S.M.O.H. :	N/A
PROP TOTAL TIME :		643.4

Complied with an **Annual Inspection**.
 Compressions: 1) **77/80** 2) **76/80** 3) **76/80** 4) **79/80**. Took oil sample. Cut & inspected old oil filter. Cleaned, gapped, inspected, and rotated sparkplugs. Complied with **A.D. 2015-19-07** (fuel injector lines) by visual inspection with no defects noted. A.D. next due at AFTT of **2696.2**. Complied with **S.I. 1492D** (oil filter insp.) & **S.B. 480E** (Oil filter & suction screen insp.). Changed oil & filter with 6 QTS. Aeroshell W15W-50 and AA48111 filter. Cleaned fuel nozzles. Tightened all fluid lines and hoses. Installed and tightened ignition leads. Inspected and cleaned fuel inlet filter and threads, reinstalled using new O-rings. Cleaned and inspected snaffle valve. Tightened and safetied the oil temp sensor. Performed post maintenance engine run-up for leak check, no leaks noted. Operational checked good. All work performed IAW the Lycoming Direct Drive Engine Maintenance Manual.

The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# **KSU2021-00212**. Date: **3/30/2021**

Signed:  Sarah Johnson, Certified Repair Station NX3R886D.

Page Total: _____

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Total to Date: _____

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

Engine Log

Serial # _____

KENT STATE UNIVERSITY
ENGINE-PA28R-201

N752KS

Total Time in Service: 254.2

A/C TOTAL TIME :	<u>2641.2</u>
ENG TOTAL TIME :	<u>254.2</u>
ENG T.S.M.O.H. :	<u>N/A</u>
TACH TIME :	<u>1386.1</u>
PROP T.S.M.O.H. :	<u>N/A</u>
PROP TOTAL TIME :	<u>698.4</u>

Complied with, 50HR INSPECTION CHECK LIST.

Complied with: Lycoming S.I. 1492B (oil filter insp.) & S.B. 480E (Oil filter & suction screen insp.). Changed oil & filter with 6 QTS. Aeroshell W15W-50 & AA48111 filter. Took oil sample. Visually inspected engine for general condition with no defects noted. Performed post maintenance engine run-up for leak check, no leaks noted, operationally checked good. All work performed IAW the Lycoming Direct Drive Engine Maintenance Manual.

The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# KSU2021-00285. Date: 4/28/2021

Signed: Sarah Johnson Sarah Johnson, Certified Repair Station NX3R886D.

KENT STATE UNIVERSITY

I certify that this Engine-PA28R-201 (N752KS) has been inspected in accordance with an Annual Inspection and was found to be in an airworthy condition.
Time in Service :299.1

A/C TOTAL TIME :	<u>2686.1</u>
ENG TOTAL TIME :	<u>299.1</u>
ENG T.S.M.O.H. :	<u>N/A</u>
TACH TIME :	<u>1431.0</u>
PROP T.S.M.O.H. :	<u>N/A</u>
PROP TOTAL TIME :	<u>743.3</u>

Complied with an Annual Inspection.

Compressions: 1) 76/80 2) 76/80 3) 75/80 4) 75/80. Took oil sample. Cut & inspected old oil filter. Cleaned, gapped, inspected, and rotated sparkplugs. Complied with A.D. 2015-19-07 (fuel injector lines) by visual inspection with no defects noted. A.D. next due at AFTT of 2796.1. Complied with S.I. 1492D (oil filter insp.) & S.B. 480E (Oil filter & suction screen insp.). Changed oil & filter with 6 QTS. Aeroshell W15W-50 and AA48111 filter. Cleaned fuel nozzles. Tightened all fluid lines and hoses. Installed and tightened ignition leads. Inspected and cleaned fuel inlet filter and threads, reinstalled using new O-rings. Cleaned and inspected snuffle valve. Performed post maintenance engine run-up for leak check, no leaks noted. Operational checked good. All work performed IAW the Lycoming Direct Drive Engine Maintenance Manual.

The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# KSU2021-00395. Date: 06/18/2021

Signed: Charles Doyle Charles Doyle, Certified Repair Station NX3R886D.

Page Total: _____

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Total to Date: _____

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

Engine Log

Serial # _____

KENT STATE UNIVERSITY
ENGINE-PA28R-201

N752KS

Total Time in Service: 356.8

A/C TOTAL TIME :	<u>2743.8</u>
ENG TOTAL TIME :	<u>356.8</u>
ENG T.S.M.O.H. :	<u>N/A</u>
TACH TIME :	<u>1488.7</u>
PROP T.S.M.O.H. :	<u>N/A</u>
PROP TOTAL TIME :	<u>801.0</u>

Complied with, 50HR INSPECTION CHECK LIST.

Complied with: Lycoming S.I. 1492B (oil filter insp.) & S.B. 480E (Oil filter & suction screen insp.). Changed oil & filter with 6 QTS. Aeroshell W15W-50 & AA48111 filter. Took oil sample. Visually inspected engine for general condition with no defects noted. Performed post maintenance engine run-up for leak check, no leaks noted, operationally checked good. All work performed IAW the Lycoming Direct Drive Engine Maintenance Manual.

The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# KSU2021-00483. Date: 07/26/2021

Signed: Christopher Brinker Christopher Brinker, Certified Repair Station NX3R886D.

KENT STATE UNIVERSITY

I certify that this Aircraft-PA28R-201 (N752KS) has been inspected in accordance with an Annual Inspection and was found to be in an airworthy condition.
Time in Service :2785.6

A/C TOTAL TIME :	<u>2785.6</u>
ENG TOTAL TIME :	<u>398.6</u>
ENG T.S.M.O.H. :	<u>N/A</u>
TACH TIME :	<u>1530.5</u>
PROP T.S.M.O.H. :	<u>N/A</u>
PROP TOTAL TIME :	<u>842.8</u>

Complied with an Annual Inspection.

Serviced hydraulic systems, battery, and tires. Cleaned & lubed yoke shafts, stabilator trim drum, flight controls & landing gear. Insp. ELT & battery due date (04/2025). Cleaned and inspected fuel system gascolator and reinstalled lock wire. Cleaned and inspected induction air filter. Inspected all interior and exterior lighting for proper operation. Inspected operation of all fuel sumps, no contamination noted. Inspected condition and operation of Tanis/Reiff engine preheater with no defects noted. Complied with 100 hour air wing attach fitting inspection with no defects noted. Complied with S.B. 1242 (rudder bar inspection) with no defects noted. Performed normal and emergency gear swings with no defects noted. Replaced the prop governor control rod end with new P/N 8907-000. Replaced the right outboard brake lining with new P/N 066-10500. Complied with the Amsafe EMA refurbishment by removing EMA P/N 508358-421, S/N A17MAY14-80 and installing an overhauled unit P/N 508358-421, S/N RA15JUN21-8 (overhauled by Amsafe inc. W/O# 200355-1, dated 6/16/2021). Refurbishment next due 06/2028. Complied with the Amsafe DTC inspection/check with no defects. Reenable the previously disabled Amsafe system. All work performed IAW the Piper Arrow (S/N's 2844001 and up) Maintenance Manual.

The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# KSU2021-00604. Date: 9/16/2021

Signed: Sarah Johnson Sarah Johnson, Certified Repair Station NX3R886D.

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Brought Forward: _____

Total to Date: _____

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

Engine Log

Serial # _____

Engine Log

Serial # _____



I certify that this **Engine-PA28R-201 (N752KS)** has been inspected in accordance with an Annual Inspection and was found to be in an airworthy condition.
Time in Service : 398.6

A/C TOTAL TIME : 2785.6
ENG TOTAL TIME : 398.6
ENG T.S.M.O.H. : N/A
TACH TIME : 1530.5
PROP T.S.M.O.H. : N/A
PROP TOTAL TIME : 842.8

Complied with an Annual Inspection.

Compressions: 1) 77/80 2) 78/80 3) 75/80 4) 77/80. Took oil sample. Cut & inspected old oil filter. Cleaned, gapped, inspected, and rotated sparkplugs. Replaced #2 top and #4 top sparkplugs with serviceable P/N REM38E. Complied with **A.D. 2015-19-07** (fuel injector lines) by visual inspection with no defects noted. A.D. next due at AFTT of **2895.6**. Complied with **S.I. 1492D** (oil filter insp.) & **S.B. 480E** (Oil filter & suction screen insp.). Changed oil & filter with 6 QTS. Aeroshell W15W-50 and AA48111 filter. Cleaned fuel nozzles. Tightened all fluid lines and hoses. Installed and tightened ignition leads. Inspected and cleaned fuel inlet filter and threads, reinstalled using new O-rings. Cleaned and inspected snuffle valve. Tightened oil fill tube. Performed post maintenance engine run-up for leak check, no leaks noted. Operational checked good. All work performed IAW the Lycoming Direct Drive Engine Maintenance Manual.

The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# **KSU2021-00604**. Date: 9/16/2021

Signed: Sarah Johnson Sarah Johnson, Certified Repair Station NX3R886D.



ENGINE-PA28R-201

N752KS

Total Time in Service: 456.5

A/C TOTAL TIME : 2843.5
ENG TOTAL TIME : 456.5
ENG T.S.M.O.H. : N/A
TACH TIME : 1588.4
PROP T.S.M.O.H. : N/A
PROP TOTAL TIME : 900.7

Complied with, 50HR INSPECTION CHECK LIST.

Complied with: **Lycoming S.I. 1492B** (oil filter insp.) & **S.B. 480E** (Oil filter & suction screen insp.). Changed oil & filter with 6 QTS. Aeroshell W15W-50 & AA48111 filter. Took oil sample. Visually inspected engine for general condition with no defects noted. Performed post maintenance engine run-up for leak check, no leaks noted, operationally checked good. All work performed IAW the Lycoming Direct Drive Engine Maintenance Manual.

The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# **KSU2021-00653**. Date: 10/8/2021

Signed: Sarah Johnson Sarah Johnson, Certified Repair Station NX3R886D.

Page Total: _____

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Total to Date: _____

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

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



N752KS

A/C TOTAL TIME : 2885.3
ENG TOTAL TIME : 498.3
ENG T.S.M.O.H. : N/A
TACH TIME : 1630.2

Complied with left magneto P/N 4372, S/N 19120557 and right magneto P/N 4370, S/N 19100647 500 hour internal inspections. Replaced left and right magneto carbon brushes with new P/N K3215 (dated 01/08/2021). Installed new cotter pin P/N M2556 at left magneto drive gear mounting nut. Set internal timing of both magnetos and reassembled. Reinstalled magnetos back on engine and timed using new gaskets two P/N LW-12681 and one 62224. Installed four new mounting nuts P/N STD1410/SL-STD-1410 using new lock washers. All work performed in accordance with the Champion/Slick F-1100 Master Service Manual Revision J and the Lycoming Direct Drive Engine Maintenance Manual.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of this repair/inspection are on file at the Repair Station under this work order: WO# **KSU 2021-00686** Date: 10/27/2021

Signed: Joshua Eyring Joshua Eyring, Certified Repair Station NX3R886D



I certify that this **Engine-PA28R-201 (N752KS)** has been inspected in accordance with an Annual Inspection and was found to be in an airworthy condition.
Time in Service : 498.3

A/C TOTAL TIME : 2885.3
ENG TOTAL TIME : 498.3
ENG T.S.M.O.H. : N/A
TACH TIME : 1630.2
PROP T.S.M.O.H. : N/A
PROP TOTAL TIME : 942.5

Complied with an Annual Inspection.

Compressions: 1) 76/80 2) 78/80 3) 76/80 4) 76/80. Took oil sample. Cut & inspected old oil filter. Cleaned, gapped, inspected, and rotated sparkplugs. Complied with **A.D. 2015-19-07** (fuel injector lines) by visual inspection with no defects noted. A.D. next due at AFTT of **2995.3**. Complied with **S.I. 1492D** (oil filter insp.) & **S.B. 480E** (Oil filter & suction screen insp.). Changed oil & filter with 6 QTS. Aeroshell W15W-50 and AA48111 filter. Cleaned fuel nozzles. Tightened all fluid lines and hoses. Installed and tightened ignition leads. Inspected and cleaned fuel inlet filter and threads, reinstalled using new O-rings. Cleaned and inspected snuffle valve. Performed post maintenance engine run-up for leak check, no leaks noted. Operational checked good. All work performed IAW the Lycoming Direct Drive Engine Maintenance Manual.

The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# **KSU2021-00686**. Date: 10/28/2021

Signed: Sarah Johnson Sarah Johnson, Certified Repair Station NX3R886D.

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Total to Date: _____



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

Serial # _____

Engine Log

Serial # _____

D BR	 ENGINE-PA28R-201 N752KS Total Time in Service: <u>546.1</u>	A/C TOTAL TIME : <u>2933.1</u> ENG TOTAL TIME : <u>546.1</u> ENG T.S.M.O.H. : <u>N/A</u> TACH TIME : <u>1678.0</u> PROP T.S.M.O.H. : <u>N/A</u> PROP TOTAL TIME : <u>990.3</u>	Date BROU
Complied with, <u>50HR INSPECTION CHECK LIST</u> . Complied with: <u>Lycoming S.I. 1492B</u> (oil filter insp.) & <u>S.B. 480E</u> (Oil filter & suction screen insp.). Changed oil & filter with 6 QTS. Aeroshell 100 mineral oil & AA48111 filter. Took oil sample. Visually inspected engine for general condition with no defects noted. Removed the failed #2 cylinder P/N LW-12993 and installed a repaired cylinder P/N LW-12993 (repaired by Hyfast aircraft engines, WO# 9829-1, dated 11/11/2021). Replaced the #2 top and bottom sparkplugs with serviceable P/N REM38E. Performed post maintenance engine run-up for leak check, no leaks noted, operationally checked good. All work performed IAW the Lycoming Direct Drive Engine Maintenance Manual. The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# <u>KSU2021-00721</u> . Date: <u>11/15/2021</u> Signed:  Sarah Johnson, Certified Repair Station NX3R886D.			




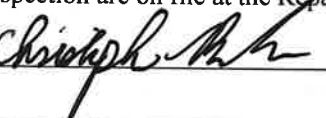
D BR	 ENGINE-PA28R-201 N752KS Total Time in Service: <u>570.9</u>	A/C TOTAL TIME : <u>2957.9</u> ENG TOTAL TIME : <u>570.9</u> ENG T.S.M.O.H. : <u>N/A</u> TACH TIME : <u>1702.8</u> PROP T.S.M.O.H. : <u>N/A</u> PROP TOTAL TIME : <u>1015.1</u>	Date BROU
Complied with, <u>25HR INSPECTION CHECK LIST</u> . Complied with: <u>Lycoming S.I. 1492B</u> (oil filter insp.) & <u>S.B. 480E</u> (Oil filter & suction screen insp.). Changed oil & filter with 6 QTS. Aeroshell W15W-50 & AA48111 filter. Took oil sample. Visually inspected engine for general condition with no defects noted. Performed post maintenance engine run-up for leak check, no leaks noted, operationally checked good. All work performed IAW the Lycoming Direct Drive Engine Maintenance Manual. The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# <u>KSU2021-00750</u> . Date: <u>11/30/2021</u> Signed:  Sarah Johnson, Certified Repair Station NX3R886D.			

Page Total: _____

Brought Forward: _____

Total to Date: _____

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

D BR	 ENGINE-PA28R-201 N752KS Total Time in Service: <u>597.2</u>	A/C TOTAL TIME : <u>2984.2</u> ENG TOTAL TIME : <u>597.2</u> ENG T.S.M.O.H. : <u>N/A</u> TACH TIME : <u>1729.1</u> PROP T.S.M.O.H. : <u>N/A</u> PROP TOTAL TIME : <u>1041.4</u>	Date BROU
I certify that this <u>Engine-PA28R-201 (N752KS)</u> has been inspected in accordance with an <u>Annual Inspection</u> and was found to be in an airworthy condition. Time in Service : <u>597.2</u> Complied with an <u>Annual Inspection</u> . Compressions: 1) <u>74/80</u> 2) <u>76/80</u> 3) <u>75/80</u> 4) <u>76/80</u> . Took oil sample. Cut & inspected old oil filter. Replaced all eight sparkplugs with new P/N REM38E. Complied with <u>A.D. 2015-19-07</u> (fuel injector lines) by visual inspection with no defects noted. A.D. next due at AFTT of <u>3094.2</u> . Complied with <u>S.I. 1492B</u> (oil filter insp.) & <u>S.B. 480E</u> (Oil filter & suction screen insp.). Changed oil & filter with 6 QTS. Aeroshell W15W-50 and AA48111 filter. Cleaned fuel nozzles. Tightened all fluid lines and hoses. Installed and tightened ignition leads. Inspected and cleaned fuel inlet filter and threads, reinstalled using new O-rings. Cleaned and inspected snuffle valve. Performed post maintenance engine run-up for leak check, no leaks noted. Operational checked good. All work performed IAW the Lycoming Direct Drive Engine Maintenance Manual. The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# <u>KSU2022-00015</u> . Date: <u>01/12/2022</u> Signed:  Charles Doyle, Certified Repair Station NX3R886D.			
D BR	 ENGINE-PA28R-201 N752KS Total Time in Service: <u>646.9</u>	A/C TOTAL TIME : <u>3033.9</u> ENG TOTAL TIME : <u>646.9</u> ENG T.S.M.O.H. : <u>N/A</u> TACH TIME : <u>1778.8</u> PROP T.S.M.O.H. : <u>N/A</u> PROP TOTAL TIME : <u>1091.1</u>	Date BROU
Complied with, <u>50HR INSPECTION CHECK LIST</u> . Complied with: <u>Lycoming S.I. 1492B</u> (oil filter insp.) & <u>S.B. 480E</u> (Oil filter & suction screen insp.). Changed oil & filter with 6 QTS. Aeroshell W15W-50 & AA48111 filter. Took oil sample. Visually inspected engine for general condition with no defects noted. Performed post maintenance engine run-up for leak check, no leaks noted, operationally checked good. All work performed IAW the Lycoming Direct Drive Engine Maintenance Manual. The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# <u>KSU2022-00102</u> . Date: <u>02/24/2022</u> Signed:  Christopher Brinker, Certified Repair Station NX3R886D.			

Page Total: _____

Brought Forward: _____

Total to Date: _____

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

Engine Log

Serial # _____



I certify that this **Engine-PA28R-201 (N752KS)** has been inspected in accordance with an **Annual Inspection** and was found to be in an airworthy condition.
Time in Service : **697.0**

A/C TOTAL TIME : **3084.0**
ENG TOTAL TIME : **697.0**
ENG T.S.M.O.H. : **N/A**
TACH TIME : **1828.9**
PROP T.S.M.O.H. : **N/A**
PROP TOTAL TIME : **1141.2**

Complied with an **Annual Inspection**.

Compressions: 1) 72/80 2) 78/80 3) 72/80 4) 76/80. Took oil sample. Cut & inspected old oil filter. Cleaned, gapped, inspected, and rotated sparkplugs. Complied with **A.D. 2015-19-07** (fuel injector lines) by visual inspection with no defects noted. A.D. next due at AFTT of **3194.0**. Complied with **S.I. 1492D** (oil filter insp.) & **S.B. 480E** (Oil filter & suction screen insp.). Changed oil & filter with 6 QTS. Aeroshell W15W-50 and AA48111 filter. Cleaned fuel nozzles. Tightened all fluid lines and hoses. Installed and tightened ignition leads. Inspected and cleaned fuel inlet filter and threads, reinstalled using new O-rings. Cleaned and inspected sniffle valve. Replaced #4 cylinder oil return line hose with new P/N STD-1821. Performed post maintenance engine run-up for leak check, no leaks noted. Operational checked good. All work performed IAW the Lycoming Direct Drive Engine Maintenance Manual.

The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# **KSU2022-00164**. Date: **03/21/2022**

Signed: Charles Doyle, Certified Repair Station NX3R886D.



ENGINE-PA28R-201
N752KS

Total Time in Service: **747.0**

A/C TOTAL TIME : **3134.0**
ENG TOTAL TIME : **747.0**
ENG T.S.M.O.H. : **N/A**
TACH TIME : **1878.9**
PROP T.S.M.O.H. : **N/A**
PROP TOTAL TIME : **1191.2**

Complied with, **50HR INSPECTION CHECK LIST**.

Complied with: **Lycoming S.I. 1492B** (oil filter insp.) & **S.B. 480E** (Oil filter & suction screen insp.). Changed oil & filter with 6 QTS. Aeroshell W15W-50 & AA48111 filter. Took oil sample. Visually inspected engine for general condition with no defects noted. Performed post maintenance engine run-up for leak check, no leaks noted, operationally checked good. All work performed IAW the Lycoming Direct Drive Engine Maintenance Manual.

The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# **KSU2022-00267**. Date: **5/2/2022**

Signed: Sarah Johnson, Certified Repair Station NX3R886D.

Page Total: _____

Brought Forward: _____

Total to Date: _____

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 _____
BROUG

I certify that this **Engine-PA28R-201 (N752KS)** has been inspected in accordance with an **Annual Inspection** and was found to be in an airworthy condition.
Time in Service : **796.4**

A/C TOTAL TIME : **3183.4**
ENG TOTAL TIME : **796.4**
ENG T.S.M.O.H. : **N/A**
TACH TIME : **1928.3**
PROP T.S.M.O.H. : **N/A**
PROP TOTAL TIME : **1240.6**

Complied with an **Annual Inspection**.

Compressions: 1) 74/80 2) 78/80 3) 78/80 4) 77/80. Took oil sample. Cut & inspected old oil filter. Cleaned, gapped, inspected, and rotated sparkplugs. Complied with **A.D. 2015-19-07** (fuel injector lines) by visual inspection with no defects noted. A.D. next due at AFTT of **3293.4**. Complied with **S.I. 1492D** (oil filter insp.) & **S.B. 480E** (Oil filter & suction screen insp.). Changed oil & filter with 6 QTS. Aeroshell W15W-50 and AA48111 filter. Cleaned fuel nozzles. Tightened all fluid lines and hoses. Installed and tightened ignition leads. Inspected and cleaned fuel inlet filter and threads, reinstalled using new O-rings. Cleaned and inspected sniffle valve. Performed post maintenance engine run-up for leak check, no leaks noted. Operational checked good. All work performed IAW the Lycoming Direct Drive Engine Maintenance Manual.

The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# **KSU2022-00310**. Date: **5/27/2022**

Signed: Sarah Johnson, Certified Repair Station NX3R886D.



ENGINE-PA28R-201
N752KS

Total Time in Service: **846.1**

A/C TOTAL TIME : **3233.1**
ENG TOTAL TIME : **846.1**
ENG T.S.M.O.H. : **N/A**
TACH TIME : **0.0**
PROP T.S.M.O.H. : **N/A**
PROP TOTAL TIME : **1290.3**

Complied with, **50HR INSPECTION CHECK LIST**.

Complied with: **Lycoming S.I. 1492B** (oil filter insp.) & **S.B. 480E** (Oil filter & suction screen insp.). Changed oil & filter with 6 QTS. Aeroshell W15W-50 & AA48111 filter. Took oil sample. Visually inspected engine for general condition with no defects noted. Performed post maintenance engine run-up for leak check, no leaks noted, operationally checked good. All work performed IAW the Lycoming Direct Drive Engine Maintenance Manual.

The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# **KSU2022-00375**. Date: **06/28/2022**

Signed: Charles Doyle, Certified Repair Station NX3R886D.

Page Total: _____

Brought Forward: _____

Total to Date: _____

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

Engine Log

Serial #

Time Run	Total Time												
KENT STATE UNIVERSITY ENGINE-PA28R-201 N752KS Total Time in Service: <u>1044.7</u>													
<table border="1"><tr><td>A/C TOTAL TIME :</td><td><u>3431.7</u></td></tr><tr><td>ENG TOTAL TIME :</td><td><u>1044.7</u></td></tr><tr><td>ENG T.S.M.O.H. :</td><td><u>N/A</u></td></tr><tr><td>TACH TIME :</td><td><u>198.6</u></td></tr><tr><td>PROP T.S.M.O.H. :</td><td><u>N/A</u></td></tr><tr><td>PROP TOTAL TIME :</td><td><u>1488.9</u></td></tr></table>		A/C TOTAL TIME :	<u>3431.7</u>	ENG TOTAL TIME :	<u>1044.7</u>	ENG T.S.M.O.H. :	<u>N/A</u>	TACH TIME :	<u>198.6</u>	PROP T.S.M.O.H. :	<u>N/A</u>	PROP TOTAL TIME :	<u>1488.9</u>
A/C TOTAL TIME :	<u>3431.7</u>												
ENG TOTAL TIME :	<u>1044.7</u>												
ENG T.S.M.O.H. :	<u>N/A</u>												
TACH TIME :	<u>198.6</u>												
PROP T.S.M.O.H. :	<u>N/A</u>												
PROP TOTAL TIME :	<u>1488.9</u>												
Complied with, <u>50HR INSPECTION CHECK LIST</u> . Complied with: <u>Lycoming S.I. 1492B</u> (oil filter insp.) & <u>S.B. 480E</u> (Oil filter & suction screen insp.). Changed oil & filter with 6 QTS. Aeroshell W15W-50 & AA48111 filter. Took oil sample. Visually inspected engine for general condition with no defects noted. Performed post maintenance engine run-up for leak check, no leaks noted, operationally checked good. All work performed IAW the Lycoming Direct Drive Engine Maintenance Manual.													
The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# <u>KSU2023-00102</u> . Date: <u>03/01/2023</u>													
Signed: <u>Christopher Brinker</u> Christopher Brinker, Certified Repair Station NX3R886D.													

KENT STATE UNIVERSITY I certify that this <u>Engine-PA28R-201 (N752KS)</u> has been inspected in accordance with an <u>Annual Inspection</u> and was found to be in an airworthy condition. Time in Service : <u>1095.2</u>	<table border="1"><tr><td>A/C TOTAL TIME :</td><td><u>3482.2</u></td></tr><tr><td>ENG TOTAL TIME :</td><td><u>1095.2</u></td></tr><tr><td>ENG T.S.M.O.H. :</td><td><u>N/A</u></td></tr><tr><td>TACH TIME :</td><td><u>249.1</u></td></tr><tr><td>PROP T.S.M.O.H. :</td><td><u>N/A</u></td></tr><tr><td>PROP TOTAL TIME :</td><td><u>1539.4</u></td></tr></table>	A/C TOTAL TIME :	<u>3482.2</u>	ENG TOTAL TIME :	<u>1095.2</u>	ENG T.S.M.O.H. :	<u>N/A</u>	TACH TIME :	<u>249.1</u>	PROP T.S.M.O.H. :	<u>N/A</u>	PROP TOTAL TIME :	<u>1539.4</u>
A/C TOTAL TIME :	<u>3482.2</u>												
ENG TOTAL TIME :	<u>1095.2</u>												
ENG T.S.M.O.H. :	<u>N/A</u>												
TACH TIME :	<u>249.1</u>												
PROP T.S.M.O.H. :	<u>N/A</u>												
PROP TOTAL TIME :	<u>1539.4</u>												
Complied with an <u>Annual Inspection</u> . Compressions: 1) <u>76/80</u> 2) <u>75/80</u> 3) <u>70/80</u> 4) <u>76/80</u> . Took oil sample. Cut & inspected old oil filter. Cleaned, gapped, inspected, and rotated sparkplugs. Complied with <u>A.D. 2015-19-07</u> (fuel injector lines) by visual inspection with no defects noted. A.D. next due at AFTT of <u>3592.2</u> . Complied with <u>S.I. 1492D</u> (oil filter insp.) & <u>S.B. 480E</u> (Oil filter & suction screen insp.). Changed oil & filter with 6 QTS. Aeroshell W15W-50 and AA48111 filter. Cleaned fuel nozzles. Tightened all fluid lines and hoses. Installed and tightened ignition leads. Inspected and cleaned fuel inlet filter and threads, reinstalled using new O-rings. Cleaned and inspected sniffle valve. Adjusted oil pressure regulator one turn counterclockwise. Performed post maintenance engine run-up for leak check, no leaks noted. Operational checked good. All work performed IAW the Lycoming Direct Drive Engine Maintenance Manual.													
The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# <u>KSU2023-00229</u> . Date: <u>04/21/2023</u>													
Signed: <u>Charles Doyle</u> Charles Doyle, Certified Repair Station NX3R886D.													

Brought Forward: _____

Total to Date: _____

Engine Log

Serial #

Time Run	Total Time												
KENT STATE UNIVERSITY ENGINE-PA28R-201 N752KS Total Time in Service: <u>1152.6</u>													
<table border="1"><tr><td>A/C TOTAL TIME :</td><td><u>3539.6</u></td></tr><tr><td>ENG TOTAL TIME :</td><td><u>1152.6</u></td></tr><tr><td>ENG T.S.M.O.H. :</td><td><u>N/A</u></td></tr><tr><td>TACH TIME :</td><td><u>306.5</u></td></tr><tr><td>PROP T.S.M.O.H. :</td><td><u>N/A</u></td></tr><tr><td>PROP TOTAL TIME :</td><td><u>1596.8</u></td></tr></table>		A/C TOTAL TIME :	<u>3539.6</u>	ENG TOTAL TIME :	<u>1152.6</u>	ENG T.S.M.O.H. :	<u>N/A</u>	TACH TIME :	<u>306.5</u>	PROP T.S.M.O.H. :	<u>N/A</u>	PROP TOTAL TIME :	<u>1596.8</u>
A/C TOTAL TIME :	<u>3539.6</u>												
ENG TOTAL TIME :	<u>1152.6</u>												
ENG T.S.M.O.H. :	<u>N/A</u>												
TACH TIME :	<u>306.5</u>												
PROP T.S.M.O.H. :	<u>N/A</u>												
PROP TOTAL TIME :	<u>1596.8</u>												
Complied with, <u>50HR INSPECTION CHECK LIST</u> . Complied with: <u>Lycoming S.I. 1492B</u> (oil filter insp.) & <u>S.B. 480E</u> (Oil filter & suction screen insp.). Changed oil & filter with 6 QTS. Aeroshell W15W-50 & AA48111 filter. Took oil sample. Visually inspected engine for general condition with no defects noted. Performed post maintenance engine run-up for leak check, no leaks noted, operationally checked good. Adjusted idle mixture control 2 clicks rich for seasonal change. All work performed IAW the Lycoming Direct Drive Engine Maintenance Manual.													
The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# <u>KSU2023-00348</u> . Date: <u>06/01/2023</u>													
Signed: <u>Christopher Brinker</u> Christopher Brinker, Certified Repair Station NX3R886D.													




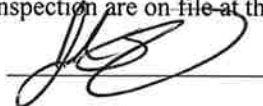
KENT STATE UNIVERSITY I certify that this <u>Engine-PA28R-201 (N752KS)</u> has been inspected in accordance with an <u>Annual Inspection</u> and was found to be in an airworthy condition. Time in Service : <u>1194.8</u>	<table border="1"><tr><td>A/C TOTAL TIME :</td><td><u>3581.8</u></td></tr><tr><td>ENG TOTAL TIME :</td><td><u>1194.8</u></td></tr><tr><td>ENG T.S.M.O.H. :</td><td><u>N/A</u></td></tr><tr><td>TACH TIME :</td><td><u>348.7</u></td></tr><tr><td>PROP T.S.M.O.H. :</td><td><u>N/A</u></td></tr><tr><td>PROP TOTAL TIME :</td><td><u>1639.0</u></td></tr></table>	A/C TOTAL TIME :	<u>3581.8</u>	ENG TOTAL TIME :	<u>1194.8</u>	ENG T.S.M.O.H. :	<u>N/A</u>	TACH TIME :	<u>348.7</u>	PROP T.S.M.O.H. :	<u>N/A</u>	PROP TOTAL TIME :	<u>1639.0</u>
A/C TOTAL TIME :	<u>3581.8</u>												
ENG TOTAL TIME :	<u>1194.8</u>												
ENG T.S.M.O.H. :	<u>N/A</u>												
TACH TIME :	<u>348.7</u>												
PROP T.S.M.O.H. :	<u>N/A</u>												
PROP TOTAL TIME :	<u>1639.0</u>												
Complied with an <u>Annual Inspection</u> . Compressions: 1) <u>75/80</u> 2) <u>75/80</u> 3) <u>73/80</u> 4) <u>76/80</u> . Took oil sample. Cut & inspected old oil filter. Replaced all eight sparkplugs with new P/N UREM38E. Complied with <u>A.D. 2015-19-07</u> (fuel injector lines) by visual inspection with no defects noted. A.D. next due at AFTT of <u>3691.8</u> . Complied with <u>S.I. 1492D</u> (oil filter insp.) & <u>S.B. 480E</u> (Oil filter & suction screen insp.). Changed oil & filter with 6 QTS. Aeroshell W15W-50 and AA48111 filter. Cleaned fuel nozzles. Tightened all fluid lines and hoses. Installed and tightened ignition leads. Inspected and cleaned fuel inlet filter and threads, reinstalled using new O-rings. Cleaned and inspected sniffle valve. Performed post maintenance engine run-up for leak check, no leaks noted. Operational checked good. All work performed IAW the Lycoming Direct Drive Engine Maintenance Manual.													
The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# <u>KSU2023-00429</u> . Date: <u>07/13/2023</u>													
Signed: <u>Charles Doyle</u> Charles Doyle, Certified Repair Station NX3R886D.													

Brought Forward: _____

Total to Date: _____

Engine Log

Serial # _____


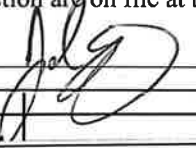


Date	Time Run (Hours)	Total Time Since Overhaul	Repairs, Adjustments, Service, Remarks	Signature	Licence #
BROUGHT FORWARD					
<div> ENGINE-PA28R-201 N752KS Total Time in Service: <u>1239.6</u></div>			<div>A/C TOTAL TIME : <u>3626.6</u> ENG TOTAL TIME : <u>1239.6</u> ENG T.S.M.O.H. : <u>N/A</u> TACH TIME : <u>393.5</u> PROP T.S.M.O.H. : <u>N/A</u> PROP TOTAL TIME : <u>1683.8</u></div>		
<p>Complied with, <u>50HR INSPECTION CHECK LIST</u>. Complied with: <u>Lycoming S.I. 1492B</u> (oil filter insp.) & <u>S.B. 480E</u> (Oil filter & suction screen insp.). Changed oil & filter with 6 QTS. Aeroshell W15W-50 & AA48111 filter. Took oil sample. Visually inspected engine for general condition with no defects noted. Performed post maintenance engine run-up for leak check, no leaks noted, operationally checked good. All work performed IAW the Lycoming Direct Drive Engine Maintenance Manual.</p> <p>The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# <u>KSU2023-00481</u>. Date: <u>08/04/2023</u></p> <p>Signed:  Seth Brown, Certified Repair Station NX3R886D.</p>					
<div> N752KS</div>			<div>A/C TOTAL TIME : <u>3657.4</u> ENG TOTAL TIME : <u>1270.4</u> ENG T.S.M.O.H. : <u>N/A</u> TACH TIME : <u>424.3</u></div>		
<p>Found right magneto inop. Removed right magneto P/N 4370 , S/N 19100647 and inspected. Found coil secondary winding open. Replaced coil with new FAA/PMA P/N AK-3975 (date code 1922708) using two new M3040 coil wedges. Reinstalled magneto with new gasket P/N LW-12681 using new lock washers and timed to engine. Ran engine, no further defects noted. All work performed in accordance with the Lycoming Direct Drive Engine Maintenance Manual and the Champion L-1363J 4300 Series Magneto Maintenance/Overhaul Manual.</p> <p>The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of this repair/inspection are on file at the Repair Station under this work order: W/O# <u>KSU 2023-00533</u> Date: <u>09/08/2023</u></p> <p>Signed:  Joshua Eyring, Certified Repair Station NX3R886D</p>					

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.

Engine Log

Serial # _____

Date	Time Run (Hours)	Total Time Since Overhaul	Repairs, Adjustments, Service, Remarks	Signature	Licence #
BROUGHT FORWARD					
<div> N752KS</div>			<div>A/C TOTAL TIME : <u>3,672.0</u> ENG TOTAL TIME : <u>1285.0</u> ENG T.S.M.O.H. : <u>N/A</u> TACH TIME : <u>438.9</u></div>		
<p>Found idle mixture running lean with hesitation during throttle advances. Adjusted idle mixture setting 4 clicks rich for seasonal change. Ran engine, no further defects noted. All work performed in accordance with the Lycoming Direct Drive Engine Maintenance Manual.</p> <p>The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of this repair/inspection are on file at the Repair Station under this work order: W/O# <u>KSU 2023-00573</u> Date: <u>09/25/2023</u></p> <p>Signed:  Joshua Eyring, Certified Repair Station NX3R886D</p>					
<div> Engine-PA28R-201 (N752KS)</div>			<div>A/C TOTAL TIME : <u>3681.2</u> ENG TOTAL TIME : <u>1294.2</u> ENG T.S.M.O.H. : <u>N/A</u> TACH TIME : <u>448.1</u> PROP T.S.M.O.H. : <u>N/A</u> PROP TOTAL TIME : <u>1738.4</u></div>		
<p>I certify that this <u>Engine-PA28R-201 (N752KS)</u> has been inspected in accordance with an <u>Annual Inspection</u> and was found to be in an airworthy condition. Time in Service : <u>1294.2</u></p> <p>Complied with an <u>Annual Inspection</u>. Compressions: 1) 72/80 2) 73/80 3) 73/80 4) 78/80. Took oil sample. Cut & inspected old oil filter. Cleaned, gapped, inspected, and rotated sparkplugs. Complied with <u>A.D. 2015-19-07</u> (fuel injector lines) by visual inspection with no defects noted. A.D. next due at AFTT of 3791.2. Complied with <u>S.I. 1492D</u> (oil filter insp.) & <u>S.B. 480E</u> (Oil filter & suction screen insp.). Changed oil & filter with 6 QTS. Aeroshell W15W-50 and AA48111 filter. Cleaned fuel nozzles. Tightened all fluid lines and hoses. Installed and tightened ignition leads. Inspected and cleaned fuel inlet filter and threads, reinstalled using new O-rings. Cleaned and inspected sniffle valve. Performed post maintenance engine run-up for leak check, no leaks noted. Operational checked good. All work performed IAW the Lycoming Direct Drive Engine Maintenance Manual.</p> <p>The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# <u>KSU2023-00603</u>. Date: <u>10/12/2023</u></p> <p>Signed:  Sarah Johnson, Certified Repair Station NX3R886D.</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.

The aircraft and or component identified below was repaired and inspected in accordance with current Federal Air Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this agency under Work Order Number: 75833

Engine Model IO-360-C1C6 Serial Number: L-31187-51E

Date: 07/18/2024

Signed: Dennis W. [Signature]

F.A.A. CRS MW2R020L
1701 E. Main Street
Griffith, IN 46319
(219)924-7110



07/30/24 07:09:30 DISASSEMBLED, CLEANED, MAGNAFLUXED, INSPECTED, PAGE
REPAIRED AS NEEDED REASSEMBLED & DYNO TESTED
USING THE FOLLOWING PARTS:

Item Num.	Item Description	Quantity
AA48110-2	Filter	1
ASC10207	PISTON	1
CAM-4R	4-Cylinder Camshaft-Regrind	1
EPA	Environmental Charge	1
LRT23381	Tappet Roller Type	8
LW-12186	Nut	8
LW-14820	Ring	8
MS13997-3	Key	8
SL31C-12	Stud	6
SL31C-12 P03	STUD	2
SL31H-0.88	Bolt	1
SS	Shop Consumable Supplies	1
STD-1221	Ring	1
STD-2013	Seal	4
STD-2090	Nut	18
STD-2180	Hose	4
STD-2231	Ring	1
STD-2246	Bolt	1
STD-2249	Nut	3
06A19956	Seal	1
1028-B	Ball	1
14D23908	Piston-Compression	2
14H29884	Piston Ring	4
14W21696	Roller	2
18A26093	Bearing	2
18D26098	Bearing	4
18M23887	Bearing	8
383-B	Nut	16
4370	Magneto Exch.	1
4372	Magneto	1
71907	Washer	8
72050	Key	8
72566	Gear Starter Ring	1
72797	Roller	2
72801-R	Cwt Assy - Reconditioned	2
73810	Bushing	4
74241	Ring	8
74389	Bushing	1
75060	Bolt	8
75441-1	Seal & Gasket Set	1
75838-P10	Valve Guide	2
75838-P20	Valve Guide	1
75838-P30	Valve Guide	1

* * * E N D O F R E P O R T * * *

any time bolt is removed
100 hour annual inspection
any fuel line main

END

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.

Engine Log

Serial # _____



A/C TOTAL TIME : 3730.4
ENG TOTAL TIME : 1343.4
ENG T.S.M.O.H. : N/A
TACH TIME : 497.3

Removed this Lycoming IO-360-C1C6 Engine S/N RL-31187-51E from aircraft N752KS for sudden stoppage inspection. All work performed in accordance with the Lycoming Direct Drive Engine Maintenance Manual.

Pertinent details of this repair/inspection are on file at the Repair Station under this work order: WO# KSU 2024-00135
Date: 3/12/2024

Signed: *Sarah Johnson* Sarah Johnson, Certified Repair Station NX3R886D

AIRWORTHINESS DIRECTIVE

At date of engine overhaul: 07/18/2024

Engine Model: IO-360-C1C6

Authorized Signature: *Dennis Alf*

AD & REV#	REV DATE	APPLIC. SB #	ONE TIME	RECURRING
73-23-01		367F	X	
75-08-09		385C	X	
90-04-06 R1	05/28/91	TSO-C53A	X	
92-12-05		501RB	X	
93-11-11		MSB001	X	
95-07-01		SB95-002	X	
96-09-10		524	X	
96-23-03		525A	X	
97-15-11		527C	X	
98-02-08		505B 530 A&B	X	
98-17-11			X	
2004-10-14		475C		X
2015-19-07		342G		X
2017-16-11		632B	X	
END				

COMPLIANCE RECORD

S/N L-31187-51E

W/O 75833

C/W complied with, P/C/W previously complied with, N/A not applicable

Authorized Signature: *Dennis Alf*

CRS MW2R020L

	N/A by P/N
	P/C/W
	C/W correct line & steel nuts installed
	N/A by P/N
	N/A by P/N
	N/A by P/N
	P/C/W
	N/A by P/N
	N/A by P/N
	N/A by engine model
	C/W by visual & mag inspection
any time bolt is removed	C/W new bolt & clip installed
100 hour annual inspection	C/W by inspection
any fuel line maintenance	C/W SB632B inspection

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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.

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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.



I certify that this **Engine-PA28R-201 (N752KS)** has been inspected in accordance with an **Annual Inspection** and was found to be in an airworthy condition.
Time in Service : **1343.4**

A/C TOTAL TIME : **3730.4**
ENG TOTAL TIME : **1343.4**
ENG T.S.M.O.H. : **N/A**
TACH TIME : **497.3**
PROP T.S.M.O.H. : **0.0**
PROP TOTAL TIME : **1787.6**

Complied with an **Annual Inspection**.

Installed this repaired engine P/N IO-360-C1C6, S/N RL-31187-51E (By G&N Aircraft Inc. under W/O# 75833, dated 7/18/2024) on aircraft N752KS. Serviced engine with 6 qts Aeroshell 100 Mineral oil. Installed original lord mounts, hoses, hardware, and new exhaust gaskets. Cleaned, gapped, inspected, and rotated sparkplugs. Complied with **A.D. 2015-19-07** (fuel injector lines) by visual inspection with no defects noted. A.D. next due at AFTT of **3840.4**. Adjusted idle speed and mixture settings IAW **A.D. 2001-06-17**. Reinstalled Tanis engine preheater. Tightened all fluid lines and hoses. Installed and tightened ignition leads. Cleaned and inspected sniffle valve. Performed post maintenance engine run-up for leak check, no leaks noted. Operational checked good. All work performed IAW the Lycoming Direct Drive Engine Maintenance Manual.

ITEM	REMOVED			INSTALLED		
	PART#	SERIAL #	TIS/TSO	PART#	SERIAL #	TIS/TSO
ENGINE	IO-360-C1C6	RL-31187-51E	1343.4 TIS	IO-360-C1C6	RL-31187-51E	1343.4 TIS
PROP	HC-C2YR-1BFP/F7497	NS4170B	1787.6 TIS	HC-C2YR-1BFP/F7497	NS4170B	1787.6/0.0
GOVERNOR	F-2-7A	G131WJ	1343.4 TIS	F-2-7A	G131WJ	0.0 TSO
MAGNETO (S)	L: 4372	19120557	1343.4 TIS	4372	23020908	0.0 TIS
	R: 4370	19100647	1343.4 TIS	4370	23031221	0.0 TIS

The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# **KSU2024-00135**. Date: **11/8/2024**

Signed: Sarah Johnson, Certified Repair Station NX3R886D.



ENGINE-PA-28R-201

N752KS

Time in Service: **1365.8**

A/C TOTAL TIME : **3752.8**
ENG TOTAL TIME : **1365.8**
ENG T.S.M.O.H. : **N/A**
TACH TIME : **519.7**

Complied with, **25 Hour Special Oil Change**.

Complied with: **Lycoming S.I. 1492D** (oil filter insp.) & **S.B. 480E** (Oil filter & suction screen insp.). Changed oil & filter with 6 QTS. Aeroshell W15W-50, & AA48111 filter. Performed post maintenance engine run-up for leak check, no leaks noted. Operationally checked good. All work performed IAW the Lycoming Direct Drive Engine Maintenance Manual.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of this repair/inspection are on file at the Repair Station under this work order: WO# **KSU2025-00183** Date: **03/13/2025**

Signed: Bosko Stojanovic, Certified Repair Station NX3R886D

Brought Forward: _____

Total to Date: _____

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

Engine Log

Serial # _____



ENGINE-PA28R-201

N752KS

Total Time in Service: **1388.6**

A/C TOTAL TIME : **3775.6**
ENG TOTAL TIME : **1388.6**
ENG T.S.M.O.H. : **N/A**
TACH TIME : **542.5**
PROP T.S.M.O.H. : **45.2**
PROP TOTAL TIME : **1832.8**

Complied with, **50 HOUR INSPECTION CHECK LIST**.

Complied with: **Lycoming S.I. 1492B** (oil filter insp.) & **S.B. 480E** (Oil filter & suction screen insp.). Changed oil & filter with 6 QTS. Aeroshell W15W-50 & AA48111 filter. Visually inspected engine for general condition with no defects noted. Performed post maintenance engine run-up for leak check, no leaks noted, operationally checked good. All work performed IAW the Lycoming Direct Drive Engine Maintenance Manual.

The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# **KSU2025-00400**. Date: **5/29/2025**

Signed: Joel Mellinger, Certified Repair Station NX3R886D.



I certify that this **Engine-PA28R-201 (N752KS)** has been inspected in accordance with an **Annual Inspection** and was found to be in an airworthy condition.
Time in Service : **1403.4**

A/C TOTAL TIME : **3790.4**
ENG TOTAL TIME : **1403.4**
ENG T.S.M.O.H. : **N/A**
TACH TIME : **557.3**
PROP T.S.M.O.H. : **60.0**
PROP TOTAL TIME : **1847.6**

Complied with an **Annual Inspection**.

Compressions: 1) 78/80 2) 75/80 3) 75/80 4) 76/80. Took oil sample. Cut & inspected old oil filter. Cleaned, gapped, inspected, and rotated sparkplugs. Complied with **A.D. 2015-19-07** (fuel injector lines) by visual inspection with no defects noted. A.D. next due at AFTT of **3900.4**. Complied with **S.I. 1492D** (oil filter insp.) & **S.B. 480E** (Oil filter & suction screen insp.). Changed oil & filter with 6 QTS. Aeroshell W15W-50 and AA48111 filter. Cleaned fuel nozzles. Tightened all fluid lines and hoses. Installed and tightened ignition leads. Inspected and cleaned fuel inlet filter and threads, reinstalled using new O-rings. Cleaned and inspected sniffle valve. Performed post maintenance engine run-up for leak check, no leaks noted. Operational checked good. All work performed IAW the Lycoming Direct Drive Engine Maintenance Manual.

The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# **KSU2025-00676**. Date: **09/11/2025**

Signed: Christopher Brinker, Certified Repair Station NX3R886D.

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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.