

118179X

ENGINE LOG BOOK



Engine Log & Maintenance Record

LOG #: _____

RECORD OF Piper PA-28-181 28-8290109
(MAKE) (MODEL) (SERIAL)

AIRCRAFT REGISTRATION NUMBER: N 8179X

FROM 5-8 2020 TO _____ 20____

DETAILING TIME FROM 41.5 TAC TO _____
(HOURS) (HOURS)

If used on a multi-engine aircraft: ____Right ____Left ____Front ____Rear

Place Engine Certificate Here

Engine Log

Serial # _____

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

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-RT8057
 Serial Number RL-14201-36E
 Engine Model O-360-A4M
 Work Order KM754026
 Total Time 0

[Signature] 3/27/2020
 Authorized Representative Date

Production Certificate #3

Form 2481 Rev 05/13

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

5-8-20 Tech 4115

Installed this engine in accordance with Piper-Lycoming M/M. Engine installed using new Barry Mounts P/N 94011-20. Replaced all Engine hoses supplied from PHT Engine Services with Zep Aeroshell 100 mineral oil. Ground ran engine and set idle mixture and idle. I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

[Signature] AIP 3647522 TA

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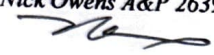

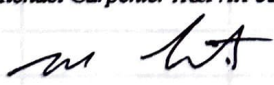
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All repair data must bear the endorsement of a certified mechanic, and his/her rating and certificate number MUST be shown.

Engine Log

Serial # _____

Date	Time Run (Hours)	Total Time Since Overhaul	Repairs, Adjustments, Service, Remarks	Signature	Licence #
BROUGHT FORWARD					
7-8-20	Tach: 49.2		Drained oil & pulled filter. Serviced with 7qts AeroShell 100 mineral oil & AA48110 filter. Don't stop A.P 3647.522		
Tail # N8179X Champion Flyers of Alabama – Shelby Co. Airport (KEET) DATE: 05/24/2021 TACH: 69.0 HOBBS: 5484.7 ETT: 27.5 Performed Annual ENGINE inspection IAW AC 43-13.1b appendix 'D' inspection check list. Warm engine, drain oil, remove spark plugs. No notable debris in oil strainer or filter. Clean, inspect, gap, rotate and reinstall plugs. Perform post inspection run-up; all temps, pressures and RPM targets are normal. See attached AD list dated 05/2021 for compliance. <ul style="list-style-type: none"> ● Compression check. #1-78/80 #2-78/80 #3-76/80 #4-78/80. ● Service engine w/7 qts Exxon Elite 20W50 oil and CH48110-1 oil filter. Cut filter, no debris noted. I certify this ENGINE has been inspected IAW Annual inspection and is airworthy at this time. Nick Owens A&P 2639932 IA 					
Tail # N8179X Champion Flyers of Alabama – Shelby Co. Airport (KEET) DATE: 06/01/2022 TACH: 76.5 HOBBS: 9.6 ETT: 35.0 Performed Annual ENGINE inspection IAW AC 43-13.1b appendix 'D' inspection check list. Warm engine, drain oil, remove spark plugs. Clean, inspect, gap, rotate and reinstall plugs. Perform post inspection run-up; all temps, pressures and RPM targets are normal. See attached AD list dated 05/2022 for compliance. <ul style="list-style-type: none"> ● Compression check. #1-76/80 #2-78/80 #3-76/80 #4-78/80. ● Service engine w/7 qts Phillips X/C 20W50 oil and CH48110-1 oil filter. Cut filter, no debris noted. I certify this ENGINE has been inspected IAW Annual inspection and is airworthy at this time. Nick Owens A&P 2639932 IA 					
Tail # N8179X Champion Flyers of Alabama – Shelby Co. Airport (KEET) DATE: 04/13/2023 TACH: 84.5 HOBBS: 20.4 ETT: 43.0 Performed Annual ENGINE inspection IAW AC 43-13.1b appendix 'D' inspection check list. Warm engine, drain oil, remove spark plugs. Clean, inspect, test, rotate and reinstall plugs. Perform post inspection run-up; all temps, pressures and RPM targets are normal. See attached AD list dated 04/2023 for compliance. <ul style="list-style-type: none"> ● Compression check. #1-70/80 #2-75/80 #3-76/80 #4-74/80. ● Service engine w/7 qts Phillips X/C 20W50 oil and AA48110-2 oil filter. Cut filter, no debris noted. I certify this ENGINE has been inspected IAW Annual inspection and is airworthy at this time. Michael Carpenter A&P/IA 3260064  3260064 A&P/IA					

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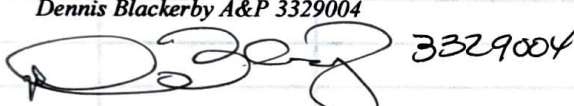

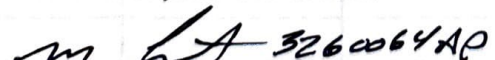
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Engine Log

Serial # _____

Date	Time Run (Hours)	Total Time Since Overhaul	Repairs, Adjustments, Service, Remarks	Signature	Licence #
BROL					
Tail # N8179X Champion Flyers of Alabama- Shelby Co. Airport (KEET) DATE: 05/05/2023 TACH: 124.3 HOBBS: 71.9 Perform 50 hour engine oil change. <ul style="list-style-type: none"> ● Service engine with 7 qts Phillips X/C 20W50 oil and Tempest AA48110-2 oil filter. Cut filter, no debris noted. ● Perform ground run. No leaks noted, ground ops ok. I certify this ENGINE has been serviced IAW applicable FAA and/or manufacturers technical information and is airworthy at this time. Dennis Blackerby A&P 3329004 					
Tail # N8179X Champion Flyers of Alabama - Shelby Co. Airport (KEET) DATE: 06/28/2023 TACH: 182.4 HOBBS: 149.7 ETT: 140.9 Performed 100 Hour ENGINE inspection IAW AC 43-13.1b appendix 'D' inspection check list. Warm engine, drain oil, remove spark plugs. Clean, inspect, test, rotate and reinstall plugs. Perform post inspection run-up; all temps, pressures and RPM targets are normal. See attached AD list dated 06/2023 for compliance. <ul style="list-style-type: none"> ● Compression check. #1-78/80 #2-78/80 #3-74/80 #4-74/80. ● Service engine w/7 qts Phillips X/C 20W50 oil and AA48110-2 oil filter. Cut filter, no debris noted. I certify this ENGINE has been inspected IAW a 100 hour and is airworthy at this time. Dennis Blackerby A&P 3329004 					
Tail # N8179X Champion Flyers of Alabama- Shelby Co. Airport (KEET) DATE: 08/14/2023 TACH: 231.2 HOBBS: 213.5 Perform 50 hour engine oil change. <ul style="list-style-type: none"> ● Service engine with 7 qts Phillips X/C 20W50 oil and Tempest AA48110-2 oil filter. Cut filter, no debris noted. ● Perform ground run. No leaks noted, ground ops ok. I certify this ENGINE has been serviced IAW applicable FAA and/or manufacturers technical information and is airworthy at this time. Nick Owens A&P 2639932 					
Tail # N8179X Champion Flyers of Alabama- Shelby Co. Airport (KEET) DATE: 08/22/2023 TACH: 243.9 HOBBS: 230.1 Perform 50 hour engine oil change. <ul style="list-style-type: none"> ● Service engine with 7 qts Phillips X/C 20W50 oil and Tempest AA48110-2 oil filter. Cut filter, no debris noted. ● Perform ground run. No leaks noted, ground ops ok. I certify this ENGINE has been serviced IAW applicable FAA and/or manufacturers technical information and is airworthy at this time. Michael Carpenter A&P 3260064 					

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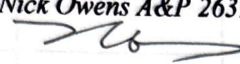

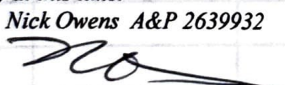
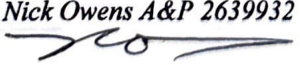
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Date	Time Run (Hours)	Total Time Since Overhaul	Repairs, Adjustments, Service, Remarks	Signature	Licence #
BRUG					
Tail # N8179X Champion Flyers of Alabama – Shelby Co. Airport (KEET) DATE: 09/25/2023 TACH: 282.9 HOBBS: 280.1 ETT: 241.4 Performed 100 Hour ENGINE inspection IAW AC 43-13.1b appendix 'D' inspection check list. Warm engine, drain oil, remove spark plugs. Clean, inspect, test, rotate and reinstall plugs. Perform post inspection run-up; all temps, pressures and RPM targets are normal. See attached AD list dated 09/2023 for compliance. <ul style="list-style-type: none"> ● Compression check. #1-78/80 #2-78/80 #3-78/80 #4-78/80. ● Service engine w/7 qts Phillips X/C 20W50 oil and AA48110-2 oil filter. Cut filter, no debris noted. ● Tightened dipstick tube and re-safety. I certify this ENGINE has been inspected IAW a 100 hour and is airworthy at this time. Nick Owens A&P 2639932 					
Tail # N8179X Champion Flyers of Alabama– Shelby Co. Airport (KEET) DATE: 10/18/2023 TACH: 333.6 HOBBS: 345.2 Perform 50 hour engine oil change. <ul style="list-style-type: none"> ● Service engine with 7 qts Phillips X/C 20W50 oil and Tempest AA48110-2 oil filter. Cut filter, no debris noted. I certify this ENGINE has been serviced IAW applicable FAA and/or manufacturers technical information and is airworthy at this time. Dennis Blackerby A&P 3329004 					
Tail # N4197X Champion Flyers of Alabama– Shelby Co. Airport (KEET) WO#-103363 DATE: 10/19/2023 TACH: 4137.06 HOBBS: 1959.7 RO#99517 Cylinder #3 compression 0/80. <ul style="list-style-type: none"> ● Removed and replaced #3 cylinder with Lycoming LW-12397 cylinder (S/N: 30080-03). ● Serviced engine with 9 qts. Phillips X/C 20W50 oil and Tempest AA48110-2 oil filter. I certify this ENGINE has been serviced IAW applicable FAA and/or manufacturers technical information and is airworthy at this time. Nick Owens A&P 2639932 					
Tail # N8179X Champion Flyers of Alabama – Shelby Co. Airport (KEET) DATE: 11/21/2023 TACH: 370.6 HOBBS: 393.3 ETT: 329.1 Performed 100 Hour ENGINE inspection IAW AC 43-13.1b appendix 'D' inspection check list. Warm engine, drain oil, remove spark plugs. Clean, inspect, test, rotate and reinstall plugs. Perform post inspection run-up; all temps, pressures and RPM targets are normal. See attached AD list dated 11/2023 for compliance. <ul style="list-style-type: none"> ● Compression check. #1-72/80 #2-72/80 #3-70/80 #4-74/80. ● Service engine w/7 qts Phillips X/C 20W50 oil and AA48110-2 oil filter. Cut filter, no debris noted. ● Replaced crankshaft seal with LW-13792 Lycoming crankshaft seal. I certify this ENGINE has been inspected IAW a 100 hour and is airworthy at this time. Nick Owens A&P 2639932 					

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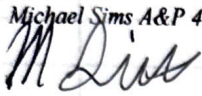
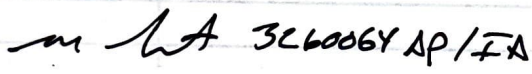

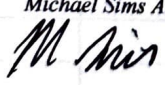
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Date	Time Run (Hours)	Total Time Since Overhaul	Repairs, Adjustments, Service, Remarks	Signature	License
BROUGHT FORWARD					
Tail # N8179X Champion Flyers of Alabama- Shelby Co. Airport (KEET) DATE: 02/26/2024 TACH: 422.2 HOBBS: 454.3 Perform 50 hour engine oil change. <ul style="list-style-type: none"> ● Service engine with 7 qts Phillips X/C 20W50 oil and Tempest AA48110-2 oil filter. Cut filter, no debris noted. <i>I certify this ENGINE has been serviced IAW applicable FAA and/or manufacturers technical information and is airworthy at this time.</i> Michael Sims A&P 4750145 					
Tail # N8179X Champion Flyers of Alabama - Shelby Co. Airport (KEET) DATE: 04/11/2024 TACH: 464.3 HOBBS: 505.4 ETT: 422.8 Performed Annual ENGINE inspection IAW AC 43-13.1b appendix 'D' inspection check list. Warm engine, drain oil, remove spark plugs. Clean, inspect, test, rotate and reinstall plugs. Perform post inspection run-up; all temps, pressures and RPM targets are normal. See attached AD list dated 04/2024 for compliance. <ul style="list-style-type: none"> ● Compression check. #1-78/80 #2-76/80 #3-74/80 #4-76/80. ● Service engine w/7 qts Phillips X/C 20W50 oil and AA48110-2 oil filter. Cut filter, no debris noted. ● Cleaned oil separator and secured as needed. <i>I certify this ENGINE has been inspected IAW Annual inspection and is airworthy at this time.</i> Michael Carpenter A&P/IA 3260064 					
Tail # N8179X Champion Flyers of Alabama- Shelby Co. Airport (KEET) DATE: 05/10/2024 TACH: 510.4 HOBBS: 561.1 Perform 50 hour engine oil change. <ul style="list-style-type: none"> ● Service engine with 7 qts Phillips X/C 20W50 oil and Tempest AA48110-2 oil filter. Cut filter, no debris noted. <i>I certify this ENGINE has been serviced IAW applicable FAA and/or manufacturers technical information and is airworthy at this time.</i> Michael Carpenter A&P 3260064 					
Tail # N8179X Champion Flyers of Alabama - Shelby Co. Airport (KEET) DATE: 06/17/2024 TACH: 562.7 HOBBS: 623.6 ETT: 521.2 Performed 100 Hour ENGINE inspection IAW AC 43-13.1b appendix 'D' inspection check list. Warm engine, drain oil, remove spark plugs. Clean, inspect, test, rotate and reinstall plugs. Perform post inspection run-up; all temps, pressures and RPM targets are normal. See attached AD list dated 06/2024 for compliance. <ul style="list-style-type: none"> ● Compression check. #1-76/80 #2-78/80 #3-78/80 #4-70/80. ● Service engine w/7 qts Phillips X/C 20W50 oil and AA48110-2 oil filter. Cut filter, no debris noted. <i>I certify this ENGINE has been inspected IAW a 100 hour and is airworthy at this time.</i> Michael Sims A&P 4750145 					

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Serial # _____

Tail # N8179X **Champion Flyers of Alabama– Shelby Co. Airport (KEET)**
DATE: 07/18/2024 TACH: 607.5 HOBBS: 678.4

Perform 50 hour engine oil change.

- Service engine with 7 qts Phillips X/C 20W50 oil and Tempest AA48110-2 oil filter. Cut filter, no debris noted.

I certify this ENGINE has been serviced IAW applicable FAA and/or manufacturers technical information and is airworthy at this time.

Michael Sims A&P 4750145

M Sims

Tail # N8179X **Champion Flyers of Alabama – Shelby Co. Airport (KEET)**
DATE: 08/28/2024 TACH: 656.7 HOBBS: 736.4 ETT: 615.2

Performed **100 Hour ENGINE** inspection IAW AC 43-13.1b appendix 'D' inspection check list. Warm engine, drain oil, remove spark plugs. Clean, inspect, test, rotate and reinstall plugs. Perform post inspection run-up; all temps, pressures and RPM targets are normal. See attached AD list dated 08/2024 for compliance.

- Compression check. #1-78/80 #2-74/80 #3-78/80 #4-76/80.

- Service engine w/7 qts Phillips X/C 20W50 oil and AA48110-2 oil filter. Cut filter, no debris noted.

I certify this ENGINE has been inspected IAW a 100 hour and is airworthy at this time.

Michael Sims A&P 4750145

M Sims

Tail # N8179X **Champion Flyers of Alabama– Shelby Co. Airport (KEET)**
DATE: 10/11/2024 TACH: 699.3 HOBBS: 787.5

Perform 50 hour engine oil change.

- Service engine with 7 qts Phillips X/C 20W50 oil and Tempest AA48110-2 oil filter. Cut filter, no debris noted.

I certify this ENGINE has been serviced IAW applicable FAA and/or manufacturers technical information and is airworthy at this time.

Michael Sims A&P 4750145

M Sims

Tail # N8179X **Champion Flyers of Alabama– Shelby Co. Airport (KEET)**
DATE: 01/08/2024 TACH: 722.0 HOBBS: 840.4

- Removed and replaced master switch with new 99377-05 switch.

I certify this AIRFRAME has been serviced IAW applicable FAA and/or manufacturers technical information and is airworthy at this time.

Michael Sims A&P 4750145

M Sims

Tail # N8179X **Champion Flyers of Alabama – Shelby Co. Airport (KEET)**
DATE: 02/17/2025 TACH: 748.8 HOBBS: 848.3 ETT: 707.3

Performed **Annual ENGINE** inspection IAW AC 43-13.1b appendix 'D' inspection check list. Warm engine, drain oil, remove spark plugs. Clean, inspect, test, rotate and reinstall plugs. Perform post inspection run-up; all temps, pressures and RPM targets are normal. See attached AD list dated 02/2025 for compliance.

- Compression check. #1-74/80 #2-76/80 #3-70/80 #4-78/80.
- Service engine w/7 qts Phillips X/C 20W50 oil and AA48110-2 oil filter. Cut filter, no debris noted.
- Replaced all bottom spark plugs with new Tempest UREM40E spark plugs.

I certify this ENGINE has been inspected IAW Annual inspection and is airworthy at this time.

Nick Owens A&P/IA 2639932

N Owens

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2241 #

DATE: 04/17/2025 TACH: 797.3 HOBBS: 906.9

- Service engine with 7 qts Phillips X/C 20W50 oil and Tempest AA48110-2 oil filter. Cut filter, no debris noted.

Joel Murray A&P pending

Ed Murray

DATE: 05/30/2025 TACH: 840.8 HOBBS: 960.1 ETT: 799.3

● Compression check. #1-70/80 #2-78/80 #3-73/80 #4-76/80.

- Service engine w/7 qts Phillips X/C 20W50 oil and AA48110-2 oil filter. Cut filter, no debris noted.

I certify this ENGINE has been inspected IAW a 100 hour and is airworthy at this time.

Joel Murray A&P pending

Edmund

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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.