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## ENGINE MAINTENANCE RECORD

AIRCRAFT SERIAL AND REGISTRATION T24002058 N1699MA

ENGINE MODEL AND SERIAL TSIO550C20B 1010387

D5518-3-13

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## INSTRUCTIONS

This record should be completed and maintained in accordance with FAA Federal Aviation Regulations 43.9, 43.11 and 91.173 and/or other prevailing government regulations.

**NOTE:** Record Service Bulletins and Airworthiness Directives in the back of this record as well as the Airframe Maintenance Record.

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## MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER																		
	HOURS	10THS																				
			<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>A/C Serial #</th> <th>A/C Unit #</th> <th>A/C Registration #</th> <th>Date</th> <th>City ID</th> <th>Total A/C Hours</th> <th>Total A/C Landings</th> <th>Total Engine HRS</th> <th>Total Prop Hrs</th> </tr> </thead> <tbody> <tr> <td>T24002058</td> <td>2058</td> <td>N699MA</td> <td>Nov 17, 2014</td> <td>IDP</td> <td>3.2</td> <td>2</td> <td>3.2</td> <td>3.2</td> </tr> </tbody> </table> <p>Engine Model <b>TSIO550C (20)</b> Serial Number <b>1010387</b> has been installed on aircraft S/N <b>T24002058</b>  with TTAF <b>3.2</b> TTSN was <b>3.2</b>  This engine serviced with 8 qts Phillips Aviation Oil Type M 20W50 and Champion AA48108-2 filter.</p> <div style="border: 1px solid black; padding: 5px; font-size: x-small;"> <p>Work Performed by <b>CESSNA AIRCRAFT COMPANY</b> Certificate No. <b>PC-4</b> Date <b>Nov 17, 2014</b>  I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration.  Work Inspected by <b>Rick C. White SR</b> Certificate No. <b>PC-4</b> Date <b>Nov 17, 2014</b>  Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.</p> </div>	A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Total Engine HRS	Total Prop Hrs	T24002058	2058	N699MA	Nov 17, 2014	IDP	3.2	2	3.2	3.2	
A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Total Engine HRS	Total Prop Hrs														
T24002058	2058	N699MA	Nov 17, 2014	IDP	3.2	2	3.2	3.2														

ENGINE MODEL: TSIO-550-C(20B)  
ENGINE S/N: 1010387  
REG. NO: N699MA  
WORK ORDER: 3501-12-2014



**J.A. Air Center**  
Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone: 630.584.3200

DATE: 23 December, 2014  
A/C TSN: 23.4  
ENG TT: 23.4  
TSMOH:  
TACH: 23.4

### Engine Entries

- 1 Changed the oil and filter. Opened and inspected the filter for contaminants. Serviced the engine with 8 Qts. of 20W50 Type M and a new AA48108-2 filter. Ground ran and leak checked. Completed general new aircraft and engine inspection.

### Maintenance Release

The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.5424 under Work Order No. 3501-12-2014, Dated 23 December, 2014.

DATE: 23 December, 2014

SIGNED:

*Bruce Rebechini*  
Bruce Rebechini  
Certified Repair Station No. NF2R029L

Work Order: 3501-12-2014

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ENGINE MODEL: TSIO-550-C(20B)  
ENGINE S/N: 1010387  
REG. NO. N699MA  
WORK ORDER: 4034-05-2015



### J.A. Air Center

Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone: 630.584.3200

DATE: 11 May, 2015  
A/C TSN: 79  
ENG TT: 79  
TSMOH:  
TACH: 79

DATE

### Engine Entries

- 1 Drained oil and collected a Blackstone oil sample. Cut opened and inspected the oil filter. Installed new AA48108-2 filter and serviced engine with (8) quarts of Phillips 20W50 X/C oil. Ran engine and detected no oil filter leakage.

### Maintenance Release

The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.5424 under Work Order No. 4034-05-2015, Dated 11 May, 2015

DATE: 11 May, 2015

SIGNED:

Don Morgan  
Certified Repair Station No. NF2R029L

Work Order: 4034-05-2015

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ENGINE MODEL: TSIO-550-C(20B)  
ENGINE S/N: 1010387  
REG. NO. N699MA  
WORK ORDER: 4256-07-2015



### J.A. Air Center

Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone: 630.584.3200

DATE: 10 July, 2015  
A/C TSN: 116.6  
ENG TT: 116.6  
TSMOH:  
TACH: 116.6

### Engine Entries

- 1 Changed the oil and filter. Opened and inspected the filter for contaminants. Filled and submitted a Blackstone oil sample. Serviced the engine with 8 Qts, of Phillips 20W50 X/C and a new AA48108-2 filter. Ground ran and leak checked.
- 2 Performed first 100 hour cleaning/inspection of the fuel nozzles due. (Then clean/inspect every 300 hours).
- 9 Cleaned & tightened rocker cover mount screws.

### Maintenance Release

The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.5424 under Work Order No. 4256-07-2015, Dated 10 July, 2015.

DATE: 10 July, 2015

SIGNED:

Bruce Rebechini  
Certified Repair Station No. NF2R029L

Work Order: 4256-07-2015

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## MAINTENANCE RECORD

DA

ENGINE MODEL: TSIO-550-C(20B)  
ENGINE S/N: 1010387  
REG. NO. N699MA  
WORK ORDER: 4664-10-2015



### J.A. Air Center

Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone: 630.584.3200

DATE: 13 November, 2015  
A/C TSN: 139.2  
ENG TT: 139.2  
TSMOH:  
TACH: 139.2

### Engine Entries

- 2 Inspected and serviced this engine in accordance with Cessna T240/LC41-550FG Maintenance Manual Chapter 5-10-00 Time limits and inspections, Chapter 5-20-00 and Continental Motors TSIO-550-C maintenance manual, inspection requirements for an annual inspection and initial 100 hour items. Compressions were tested as follows; #1-70, #2-68, #3-75, #4-68, #5-75 and #6-68 all over 80 psi. Minimum compression using master orifice was 44 psi for the day. The oil and filter was changed. Filled and submitted a Blackstone oil sample. Opened and inspected the filter. Serviced the engine with 8 Qts of Phillips 20W50 X/C oil and a new AA48108-2 filter. See the following items for additional service and repairs.
- 11 Adjusted magnetos to engine timing to 24° B.T.D.C as per engine spec.
- 12 Cleaned Ignition leads from carbon @ spark plug contact.
- 24 Performed 100Hr Fuel Nozzle Inspection as described in the Teledyne Continental Motors TSIO-550 Permold Series Engine Maintenance Manual (Publication P/N: M-18)

### Maintenance Release

I certify the aircraft and/or component(s) on was repaired and/or inspected in accordance with an annual inspection, and current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.5424 under Work Order No. 4664-10-2015, Dated 13 November, 2015.

DATE: 13 November, 2015

SIGNED:

Bruce Rebechini  
Certified Repair Station No. NF2R029L

Work Order: 4664-10-2015

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ENGINE MODEL: TSIO-550-C(20B)  
ENGINE S/N: 1010387  
REG. NO: N699MA  
WORK ORDER: 5169-03-2016



**J.A. Air Center**  
Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone: 630.584.3200

DATE: 06 May, 2016  
A/C TSN: 172.5  
ENG TT: 172.5  
TSMOH:  
TACH: 172.5

#### Engine Entries

- 1 Changed the oil and filter. Opened and inspected the filter for contaminants. Filled and submitted a Blackstone oil sample. Serviced the engine with 8 Qts. of Phillips 20W50 X/C and a new AA48108-2 filter. Ground ran and leak checked.

SIGNATURE,  
DATE TYPE  
IMBER

#### Maintenance Release

The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.5424 under Work Order No. 5169-03-2016, Dated 06 May, 2016.

DATE: 06 May, 2016

SIGNED:

Don Morgan  
Certified Repair Station No. NF2R029L

Work Order: 5169-03-2016

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ENGINE MODEL: TSIO-550-C(20B)  
ENGINE S/N: 1010387  
REG. NO: N699MA  
WORK ORDER: 5886-10-2016



**J.A. Air Center**

Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone: 630.584.3200

DATE: 15 November, 2016  
A/C TSN: 206.1  
ENG TT: 206.1  
TSMOH:  
TACH: 206.1

#### Engine Entries

- 2 Inspected and serviced this engine in accordance with Cessna T240 Maintenance Manual, Chapter 5-10-00 Time limits and inspections, Chapter 5-20-00 and Continental Motors TSIO-550-C Maintenance Manual, Inspection requirements for an Annual Inspection. Compressions were tested as follows; #1-71, #2-71, #3-70, #4-74, #5-70 and #6-75 all over 80 PSI. Minimum compression using master orifice was 45 PSI for the day. The oil and filter was changed. Opened and inspected the filter. Serviced the engine with 8 Qts of Phillips 50W50 X/C oil and a new AA48108-2 filter. See the following items for additional service and repairs.
- 27 Replaced all 12 rocker cover gaskets P/N 655705.

#### Maintenance Release

I certify the aircraft and/or component(s) on was repaired and/or inspected in accordance with an annual inspection, and current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.5424 under Work Order No. 5886-10-2016, Dated 15 November, 2016.

DATE: 15 November, 2016

SIGNED:

Bruce Rebechini  
Certified Repair Station No. NF2R029L

Work Order: 5886-10-2016

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### MAINTENANCE RECORD

DAT

ENGINE MODEL: TSIO-550-C(20B)  
ENGINE S/N: 1010387  
REG. NO: N699MA  
WORK ORDER: 6530-05-2017



**J.A. Air Center**

Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone: 630.584.3200

DATE: 16 May, 2017  
A/C TSN: 293.3  
ENG TT: 293.3  
TSMOH:  
TACH: 293.3

#### Engine Entries

- 1 Changed the oil and filter. Opened and inspected the filter for contaminants. Filled and submitted a Blackstone oil sample. Serviced the engine with 7 Qts. of Phillips 20W50 X/C and a new AA48108-2 filter. Ground ran and leak checked.
- 2 Removed LH magneto to replace capacitor P/N 10-400615. Reinstalled and timed as outlined in the TCM maintenance manual M-18 sec. 6-3.9.1. Function checked, no defects noted.

#### Maintenance Release

The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.5424 under Work Order No. 6530-05-2017, Dated 16 May, 2017.

DATE: 16 May, 2017

SIGNED:

Don Morgan  
Certified Repair Station No. NF2R029L

Work Order: 6530-05-2017

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ENGINE MODEL: TSIO-550-C(20B)  
ENGINE S/N: 1010387  
REG. NO: N699MA  
WORK ORDER: 6936-09-2017



**J.A. Air Center**

Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone: 630.584.3200

DATE: 18 September, 2017  
A/C TSN: 322.1  
ENG TT: 322.1  
TSMOH:  
TACH: 322.1

#### Engine Entries

- 1 Changed the oil and filter. Opened and inspected the filter for contaminants. Filled and submitted a Blackstone Oil Sample. Serviced the engine with 7 Qts. of Phillips 20W50 X/C and a new AA48108-2 filter. Ground ran and leak checked.

#### Maintenance Release

The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.5424 under Work Order No. 6936-09-2017, Dated 18 September, 2017.

DATE: 18 September, 2017

SIGNED:

Bruce Rebechini  
Certified Repair Station No. NF2R029L

Work Order: 6936-09-2017

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ENGINE MODEL: TSIO-550-C(20B)  
ENGINE S/N: 1010387  
REG. NO: N699MA  
WORK ORDER: 7089-10-2017

J.A. Air Center

Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone: 630.584.3200

DATE: 06 December, 2017  
A/C TSN: 322.1  
ENG TT: 322.1  
TSMOH:  
TACH: 322.1

### Engine Entries

2 Inspected and serviced this engine in accordance with Cessna T240 Maintenance Manual, Chapter 5-10-00 Time limits and inspections, Chapter 5-20-00 and Continental Motors TSIO-550-C Maintenance Manual, Inspection requirements for an Annual Inspection. Compressions were tested as follows; #1-72, #2-66, #3-67, #4-70, #5-68 and #6-67 all over 80 PSI. Minimum compression using master orifice was 42 PSI for the day. The oil and filter was changed. Opened and inspected the filter. Serviced the engine with 7 Qts of Phillips 50W50 X/C oil and a new AA48108-2 filter. See the following items for additional service and repairs.

### Maintenance Release

I certify the aircraft and/or component(s) on was repaired and/or inspected in accordance with an annual inspection, and current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.5424 under Work Order No. 7089-10-2017, Dated 06 December, 2017.

DATE: 06 December, 2017

SIGNED:

Don Morgan  
Certified Repair Station No. NF2R029L

Work Order: 7089-10-2017

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ENGINE MODEL: TSIO-550-C(20B)  
ENGINE S/N: 1010387  
REG. NO: N699MA  
WORK ORDER: 7434-03-2018

J.A. Air Center

Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone: 630.584.3200

DATE: 18 April, 2018  
A/C TSN: 345.6  
ENG TT: 345.6  
TSMOH:  
TACH: 345.6

### Engine Entries

3 Changed the oil and filter. Opened and inspected the filter for contaminants. Filled and submitted a Blackstone oil sample. Serviced the engine with 7 Qts. of Phillips 20W50 X/C and a new AA48108-2 filter. Ground ran and leak checked.

### Maintenance Release

The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.5424 under Work Order No. 7434-03-2018, Dated 18 April, 2018.

DATE: 18 April, 2018

SIGNED:

Bruce Rebechini  
Certified Repair Station No. NF2R029L

Work Order: 7434-03-2018

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## MAINTENANCE RECORD

ENGINE MODEL: TSIO-550-C(20B)  
ENGINE S/N: 1010387  
REG. NO: N699MA  
WORK ORDER: 7469-04-2018

J.A. Air Center

Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone: 630.584.3200

DATE: 20 April, 2018  
A/C TSN: 345.8  
ENG TT: 345.8  
TSMOH:  
TACH: 345.8

### Engine Entries

Installed overhauled starter P/N 646275-1EX, S/N H-S020627 from Hartzell Engine Technologies, Montgomery, AL. CRS 1HZR769B. Ref w.o. M236830. Weight & balance updated.

### Maintenance Release

The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.5424 under Work Order No. 7469-04-2018, Dated 20 April, 2018.

DATE: 20 April, 2018

SIGNED:


Don Morgan  
Certified Repair Station No. NF2R029L

Work Order: 7469-04-2018

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ENGINE MODEL: TSIO-550-C(20B)  
ENGINE S/N: 1010387  
REG. NO: N699MA  
WORK ORDER: 7634-07-2018

 **J.A. Air Center**  
Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone: 630.584.3200

DATE: 17 July, 2018  
A/C TSN: 379.5  
ENG TT: 379.5  
TSMOH:  
TACH: 379.5

D/

### Engine Entries

- 1 Changed the oil and filter. Opened and inspected the filter for contaminants. Filled and submitted a Blackstone oil sample. Serviced the engine with 8 Qts. of Phillips 20W50 X/C and a new AA48109 filter. Ground ran and leak checked.

Maintenance Release  
The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA 145.5424 under Work Order No. 7634-07-2018, Dated 17 July, 2018.

DATE: 17 July, 2018

SIGNED: 

Bruce Rebechini  
Certified Repair Station No. NF2R029L

Work Order: 7634-07-2018

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ENGINE MODEL: TSIO-550-C(20B)  
ENGINE S/N: 1010387  
REG. NO: N699MA  
WORK ORDER: 7769-09-2018

 **J.A. Air Center**  
Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone: 630.584.3200

DATE: 21 September, 2018  
A/C TSN: 416.1  
ENG TT: 416.1  
TSMOH:  
TACH: 416.1

### Engine Entries

- 1 Changed the oil and filter. Opened and inspected the filter for contaminants. Filled and submitted a Blackstone oil sample. Serviced the engine with 8 Qts. of Phillips 20W50 X/C and a new AA48109 filter. Ground ran and leak checked.
- 7 Complied with Fuel nozzles due for 300 hour cleaning as per Continental Motors, Inc. Position Tuned Fuel Injector Nozzles Publication FI-2, F. Found Airworthy at this time.
- 9 Comply with 100 hr pressure check and exhaust Comprehensive Exhaust check as described in Cessna Model LC41-550FG/T240 Maintenance Manual Chapter 78-20-00 pages 201-205. Inspection reveled the Left Tail pipe V Band Clamp was cracked and was replaced, P/N 653337, Torqued and Safetied as described in the inspection.

Maintenance Release  
The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA 145.5424 under Work Order No. 7769-09-2018, Dated 21 September, 2018.

DATE: 21 September, 2018

SIGNED: 

Don Morgan  
Certified Repair Station No. NF2R029L

Work Order: 7769-09-2018

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ENGINE MODEL: TSIO-550-C(20B)  
ENGINE S/N: 1010387  
REG. NO: N699MA  
WORK ORDER: 7922-11-2018

 **J.A. Air Center**  
Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone: 630.584.3200

DATE: 20 December, 2018  
A/C TSN: 429.6  
ENG TT: 429.6  
TSMOH:  
TACH: 429.6

### Engine Entries

- 2 Inspected and serviced this engine in accordance with Cessna T240 Maintenance Manual, Chapter 5-10-00 Time limits and inspections, Chapter 5-20-00 and Continental Motors TSIO-550-C Maintenance Manual, Inspection requirements for an Annual Inspection. Compressions were tested as follows; #1-60, #2-61, #3-61, #4-61, #5-65 and #6-65 all over 80 PSI. The oil and filter was changed. Opened and inspected the filter. Serviced the engine with 7 Qts of Phillips 20W50 X/C oil and a new AA48108-2 filter. See the following items for additional service and repairs.
- 18 Re-installed LH magneto p/n 10-500556-101, s/n D14EA019 & RH magneto p/n 10-500556-101, s/n D14EA020 after 500 hour inspections were performed by G & N Aircraft . ref. w.o. 73498. with new gaskets. Installed new nipples (P/N MS25171-1S) over P-lead terminals and used new gaskets (P/N 649950) when re-installing induction tubes. Timed magnetos to engine within proper specifications and found operation to be satisfactory.

Maintenance Release  
I certify the aircraft and/or component(s) on was repaired and/or inspected in accordance with an annual inspection, and current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA 145.5424 under Work Order No. 7922-11-2018, Dated 20 December, 2018.

DATE: 20 December, 2018

SIGNED: 

Don Morgan  
Certified Repair Station No. NF2R029L

Work Order: 7922-11-2018

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ENGINE MODEL: TSIO-550-C(20B)  
ENGINE S/N: 1010387  
REG. NO: N699MA  
WORK ORDER: 8246-05-2019

 **J.A. Air Center**  
Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone: 630.584.3200

DATE: 17 May, 2019  
A/C TSN: 450.1  
ENG TT: 450.1  
TSMOH:  
TACH: 450.1

### Engine Entries

- 1 Changed the oil and filter. Opened and inspected the filter for contaminants. Filled and submitted a Blackstone oil sample. Serviced the engine with 8 Qts. of Phillips 20W50 X/C and a new AA48109 filter. Ground ran and leak checked.

Maintenance Release  
The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA 145.5424 under Work Order No. 8246-05-2019, Dated 17 May, 2019.

SIGNED: 

Don Morgan  
Certified Repair Station No. NF2R029L

Work Order: 8246-05-2019

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MODEL: TSIO-550-C(20B)  
ENGINE S/N: 1010387  
REG. NO: N699MA  
WORK ORDER: 8592-12-2019



### J.A. Air Center

Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone: 630.584.3200

DATE: 17 January, 2020  
A/C TSN: 476.8  
ENG TT: 476.8  
TSMOH:  
TACH: 476.8

DATE

#### Engine Entries

- 2 Inspected and serviced this engine in accordance with Cessna LC41-550FG Maintenance Manual, Chapter 5-10-00 Time limits and inspections, Chapter 4-00-00, Chapter 5-20-00 and Continental Motors TSIO-550-C Maintenance Manual, Inspection requirements for an Annual Inspection. Compressions were tested as follows; #1-68, #2-62, #3-67, #4-64, #5-69 and #6-66 all over 80 PSI. Minimum compression using master orifice was 52 PSI for the day. The oil and filter was changed. Collected and submitted a Blackstone oil analysis. Opened and inspected the filter. Serviced the engine with 8 Qts of Phillips 20W50 X/C oil and a new AA48109 filter. See the following items for additional service and repairs.
- 6 Installed (6) new rocker cover gaskets P/N 655705 on cylinders #1,2,3,4,5 & 6.
- 8 Installed new intake gasket P/N 649950 on cylinder #1.
- 13 Installed new 306-4 upper deck turbo controller hose running from the intake manifold to the controller.

#### Maintenance Release

I certify the aircraft and/or component(s) on was repaired and/or inspected in accordance with an annual inspection, and current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.5424 under Work Order No. 8592-12-2019, Dated 17 January, 2020.

DATE: 17 January, 2020

SIGNED:

Don Morgan  
Certified Repair Station No. NF2R029L

Work Order: 8592-12-2019

Printed by EBis 3 (datcomedia.com)


ENGINE MODEL: TSIO-550-C(20B)  
ENGINE S/N: 1010387  
REG. NO: N699MA  
WORK ORDER: 8651-01-2020



### J.A. Air Center

Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone: 630.584.3200

DATE: 27 January, 2020  
A/C TSN: 479.9  
ENG TT: 479.9  
TSMOH:  
TACH: 479.9

JRE,

#### Engine Entries

- 1 Removed both mags per Continental Standard Practice Manual section 10-5-1 and installed (2) new capacitors P/N KA10-400615. Reinstalled per section 10-5-4 and set timing. Function checked, no defects noted.

#### Maintenance Release

The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.5424 under Work Order No. 8651-01-2020, Dated 27 January, 2020.

DATE: 27 January, 2020

SIGNED:

Don Morgan  
Certified Repair Station No. NF2R029L

Work Order: 8651-01-2020

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ENGINE MODEL: TSIO-550-C(20B)  
ENGINE S/N: 1010387  
REG. NO: N699MA  
WORK ORDER: 9041-09-2020



### J.A. Air Center

Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone: 630.584.3200

DATE: 07 October, 2020  
A/C TSN: 512.4  
ENG TT: 512.4  
TSMOH:  
TACH: 512.4

#### Engine Entries

- 1 Drained oil and collected a Blackstone oil sample. Opened and inspected the filter for contaminants, none found at this time. Serviced engine with 8 Qts. of Phillips 20W50 X/C and installed a new AA48109 filter. Ran engine & detected no leakage.

#### Maintenance Release

The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L under Work Order No. 9041-09-2020, Dated 07 October, 2020.

DATE: 07 October, 2020

SIGNED:

Don Morgan  
Certified Repair Station No. NF2R029L

Work Order: 9041-09-2020

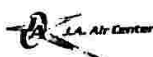
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3. Form Tracking Number: 1188  
5. Work Order/Contract Number: 7137  
11. Status/Block 12

# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE
	HOURS	10THS		

ENGINE MODEL: TSIO-550-C(20B)  
ENGINE S/N: 1010387  
REG. NO: N699MA  
WORK ORDER: 9184-02-2021



**J.A. Air Center**  
Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone: 630.584.3200

DATE: 02 March, 2021  
A/C TSN: 521  
ENG TT: 521  
TSMOH:  
TACH: 521

## Engine Entries

- 2 Inspected and serviced this engine in accordance with Cessna LC41-550FG/T240 Maintenance Manual Rev 6, Chapter 5-10-00 Time limits and inspections, Chapter 4-00-00, Chapter 5-20-00 and Continental Motors TSIO-550-C Maintenance Manual, Inspection requirements for an Annual Inspection. Compressions were tested as follows; #1-52, #2-61, #3-64, #4-68, #5-63 and #6-71 all over 80 PSI. Minimum compression using master orifice was 46 PSI for the day. Ref. SB03-03. The oil and filter was changed. Opened and inspected the filter. Serviced the engine with 8 Qts of Phillips 20W50 X/C oil and installed a new AA48109 filter. See the following items for additional service and repairs.
- 7 AD2020-16-11 To detect and prevent cylinder cracking and MSB18-08B for cylinders manufactured 11/1/2014 and after does not apply by manufacture date. This engine was assembled 5/14/2014 and no cylinders replaced since that date. No further action is required.
- 28 Installed all new FAA/PMA approved Superior intake and exhaust lifters P/N's SA646277 and SA628488. Inspection of the cam found lobes still serviceable as per SID05-1B. Re-installed valve train with new washers P/N 501868 & new 630286 o-rings. Installed rocker covers with new gaskets P/N 658735. All work accomplished I/A/W Continental Aerospace Technologies M&O Manual M-18, Rev.1. Ground run operational and leak checks satisfactory.
- 31 Cleaned mating surfaces and installed new #1 cylinder intake gasket P/N 649950. Ground run operational & leak checks were satisfactory.

Maintenance Release  
I certify the aircraft and/or component(s) on was repaired and/or inspected in accordance with an annual inspection, and current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L under Work Order No. 9184-02-2021, Dated 02 March, 2021.

DATE: 02 March, 2021

SIGNED:

Don Morgan  
Certified Repair Station No. NF2R029L

Work Order: 9184-02-2021

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# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE
	HOURS	10THS		

ENGINE MODEL: TSIO-550-C(20B)  
ENGINE S/N: 1010387  
REG. NO: N699MA  
WORK ORDER: 9651-01-2022



**J.A. Air Center**  
Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone: 630.584.3200

DATE: 14 January, 2022  
A/C TSN: 554.2  
ENG TT: 554.2  
TSMOH:  
TACH: 554.2

## Engine Entries

- 1 Drained oil and collected a Blackstone oil sample. cut opened and inspected the oil filter. Serviced engine with 8 quarts of Phillips 20W50 X/C oil & installed new AA48109 filter. Ran engine and detected no leakage.

Maintenance Release  
The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.6960 under Work Order No. 9651-01-2022, Dated 14 January, 2022.

DATE: 14 January, 2022

SIGNED:

Don Morgan  
Certified Repair Station No. NF2R029L

Work Order: 9651-01-2022

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# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		

ENGINE MODEL: TSIO-550-C(20B)  
ENGINE S/N: 1010387  
REG. NO: N699MA  
WORK ORDER: 9591-11-2021



**J.A. Air Center**  
Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone: 630.584.3200

DATE: 03 June, 2022  
A/C TSN: 644-2  
ENG TT: 644-2  
TSMOH:  
TACH: 644-2

## Engine Entries

- 2 Inspected and serviced this engine in accordance with Cessna LC41-550FG/T240 Maintenance Manual Rev 6, Chapter 5-10-00 Time limits and inspections, Chapter 4-00-00, Chapter 5-20-00 and Continental Motors TSIO-550-C Maintenance Manual, Inspection requirements for an Annual Inspection. Compressions were tested as follows; #1-50, #2-55, #3-55, #4-60, #5-52 and #6-62 all over 80 PSI. Minimum compression using master orifice was 42 PSI for the day. Ref. SB03-03. Opened and inspected the oil filter and installed a new AA48109 filter. See the following items for additional service and repairs.

## Maintenance Release

I certify the aircraft and/or component(s) on was repaired and/or inspected in accordance with an annual inspection, and current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.6960 under Work Order No. 9591-11-2021, Dated 03 June, 2022.

DATE: 03 June, 2022

SIGNED:

Don Morgan  
Certified Repair Station No. NF2R029L

Work Order: 9591-11-2021

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DA ENGINE MODEL: TSIO-550-C(20B)  
ENGINE S/N: 1010387  
REG. NO: N699MA  
WORK ORDER: 10110-01-2023



**J.A. Air Center**  
Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone: 630.584.3200

DATE: 10 January, 2023  
A/C TSN: 591 2  
ENG TT: 591.2  
TSMOH:  
TACH: 591.2

## Engine Entries

- 2 Changed the oil and filter. Opened and inspected the filter for contaminants. Filled and submitted a Blackstone oil sample. Serviced the engine with 8 Qts. of Aeroshell 20W50 X/C and a new AA48109 filter. Ground ran and leak checked.

## Maintenance Release

The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.6960 under Work Order No. 10110-01-2023, Dated 10 January, 2023.

DATE: 10 January, 2023

SIGNED:

Don Morgan  
Certified Repair Station No. NF2R029L

Work Order: 10110-01-2023

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ENGINE MODEL: TSIO-550-C(20B)  
ENGINE S/N: 1010387  
REG. NO: N699MA  
WORK ORDER: 10325-06-2023



### J.A. Air Center

Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone: 630.584.3200

DATE: 21 July, 2023  
A/C TSN: 605.8  
ENG TT: 605.8  
TSMOH:  
TACH: 605.8

DATE

### Engine Entries

- 2 Inspected and serviced this engine in accordance with Cessna LC41-550FG Maintenance Manual, Chapter 5-10-00 Time limits and inspections, Chapter 4-00-00, Chapter 5-20-00 and Continental Motors TSIO-550-C Maintenance Manual, Inspection requirements for an Annual Inspection. Compressions were tested as follows; #1-52, #2-51, #3-64, #4-64, #5-62 and #6-62 all over 80 PSI. Minimum compression using master orifice was 43 PSI for the day. The oil and filter was changed. Opened and inspected the filter. Serviced the engine with 8 Qts of Phillips 20W-50X/C oil and a new AA48109-2 filter. See the following items for additional service and repairs.
- 14 Adjusted LH magneto timing to be at 24° BTDC IAW engine specifications.
- 22 Complied with 100Hr/Annual comprehensive exhaust system inspection as per Cessna AMM.
- 25 Performed 100 Hour Exhaust System Pressure Test. Found no discrepancies at this time.
- 31 Performed 100hr/12mo replacement of Brackett Air Filter P/N BA345E.
- 33 Mag 500 hour inspection, both mags were done at 429.0 hour total time. Next 500 hour mag service and inspection is due at 929.0 hours total time.
- 37 Fuel injection nozzle cleaning is next due at 716.1 hours.

Maintenance Release  
I certify the aircraft and/or component(s) on was repaired and/or inspected in accordance with an annual inspection, and current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L under Work Order No. 10325-06-2023, Dated 21 July, 2023.

DATE: 21 July, 2023

SIGNED:

Paul Wood  
Certified Repair Station No. NF2R029L

Work Order: 10325-06-2023

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### MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		

ENGINE MODEL: TSIO-550-C(20B)  
ENGINE S/N: 1010387  
REG. NO: N699MA  
WORK ORDER: 10795-06-2024



### J.A. Air Center

Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone: 630.584.3200

DATE: 01 October, 2024  
A/C TSN: 629.5  
ENG TT: 629.5  
TSMOH:  
TACH: 629.5

### Engine Entries

- 2 Inspected and serviced this engine in accordance with Cessna LC41-550FG Maintenance Manual, Chapter 5-10-00 Time limits and inspections, Chapter 4-00-00, Chapter 5-20-00 and Continental Motors TSIO-550-C Maintenance Manual, Inspection requirements for an Annual Inspection. Compressions were tested as follows; #1-62, #2-65, #3-73, #4-64, #5-74 and #6-69 all over 80 PSI. Minimum compression using master orifice was 43 PSI for the day. The oil and filter were changed. Opened and inspected the filter. Serviced the engine with 8 Qts of Phillips 20W-50X/C oil and a new AA48109-2 filter. See the following items for additional service and repairs.
- 15 Replaced cylinder 4 rocker cover gaskets with new, installed 2ea Continental Gaskets P/N: 668893. Reference Continental Standard Practices Manual M-0 (Rev 1)

Maintenance Release  
I certify the aircraft and/or component(s) on was repaired and/or inspected in accordance with an annual inspection, and current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L under Work Order No. 10795-06-2024, Dated 01 October, 2024.

DATE: 01 October, 2024

SIGNED:

Timothy Quigley  
Certified Repair Station No. NF2R029L

Work Order: 10795-06-2024

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