YEAR

DATE

ENGINE MODEL:
IO-360-A1B6
ENGINE S/N: L-23094-51A
REG. NO: 5169M
WORK ORDER: 14266

Mangon Aircraft, Inc.

501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 07 June, 2013
A/C TSN: 5384.9
ENG TT: 5994.04
TSMOH: 597.8
TACH: 5384.9

Engine Entries

Engine completed an Annual/100 hour inspection to comply with FAR 91.409, (a), (1), for Annual Certification. Inspection in accordance with Hawker Beechcraft Service Manual Sierra 200 Series, Pn.169-590015, Revision G5 dated 11/17/1997. Oil screens cleaned and inspected. Oil changed. Fuel screen cleaned. Fuel injectors sonic cleaned. Fuel system pressure checked. Compressions on cylinders checked at #1-78/80, #2-77/80, #3-74/80, # 4-76/80. Spark plugs cleaned, gapped and rotated. Magneto timing checked at 20* BTDC cylinder #1. Engine washed and serviced. See following discrepancies.... Rt. magneto Mn.4370 Sn.99060846 and Lt. magneto Mn. 4372 Sn. 99041298 removed. Magneto's overhauled by CRS. S7HR883J WO 59379 and 59380. Cylinder #1 top spark plug removed. Installed overhauled magneto's Rt. magneto MN. 4370 Sn. 99060846 and Lt. magneto Mn. 4372 Sn. 99041298 with new gasket and lock washer. Magneto timed to 20* BTDC on cylinder #1. Installed top cylinder #1 spark plug and torqued to 420 In. lbs. Function and leak check satisfactory.... Replaced all spark plugs with new Tempest UREM40E. Spark plugs torqued to 420" lbs. Cleaned leads and attached. Operations check good.... Cylinder number 4 rocker box cover replaced and torqued to 50 In. Lbs. Leak check satisfactory.... Installed new gaskets for oil pan and rear accessories case.... A.D. 2011-26-04 eff. date 1/25/2012 Lycoming Fuel Injection Line inspection complied with by visual inspection I/A/W Lycoming Service Bulletin 342A, 342D & 342E & F no defects found. Inspection will be due again 6/2014 or 5484.9hours.

ENGINE GROUND OPERATED, ALL SYSTEMS CHECKED NORMAL.
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIRMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 07 June, 2013 SIGNED:

Ronald Mangon, A&P: 3456258 IA

Work Order: 14266

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:
IO-360-A1B6
ENGINE S/N: L-23094-51A
REG. NO: 5169M
WORK ORDER: 14737

Mangon Aircraft, Inc.

501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 19 July, 2014
A/C TSN: 5431.8
ENG TT: 6040.94
TSMOH: 644.7
TACH: 5431.8

Engine Entries

Engine completed an Annual/100 hour inspection to comply with FAR 91.409, (a), (1), for Annual Certification. Inspection in accordance with Hawker Beechcraft Service Manual Sierra 200 Series, Pn.169-590015, Revision G5 dated 11/17/1997. Oil screens cleaned and inspected. Oil changed. Fuel screen cleaned. Fuel injectors sonic cleaned. Fuel system pressure checked. Compressions on cylinders checked at #1-78/80, #2-75/80, #3-75/80, # 4-77/80. Spark plugs cleaned, gapped and rotated. Magneto timing checked at 20* BTDC cylinder #1. Engine washed and serviced.... Idle adjusted to 750 RPM.... A.D. 2011-26-04 eff. date 1/25/2012 Lycoming Fuel Injection Line inspection complied with by visual inspection I/A/W Lycoming Service Bulletin 342A, 342D & 342E & F no defects found. Inspection will be due again 7/2015 or 5531.8 hours.

ENGINE GROUND OPERATED, ALL SYSTEMS CHECKED NORMAL.
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIRMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 19 July, 2014 SIGNED:

Ronald Mangon, A&P: 3456258 IA

Work Order: 14737

Printed by EBis 3 (datcomedia.com)

YEAR

DATE

ENGINE MODEL:
IO-360-A1B6
ENGINE S/N: L-23094-51A
REG. NO: 5169M
WORK ORDER: 15085

Mangon Aircraft, Inc.

501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 17 August, 2015
A/C TSN: 5488.5
ENG TT: 6097.64
TSMOH: 701.4
TACH: 5488.5

Engine Entries

Engine completed an Annual/100 hour inspection to comply with FAR 91.409, (a), (1), for Annual Certification. Inspection in accordance with Hawker Beechcraft Service Manual Sierra 200 Series, Pn.169-590015, Revision G5 dated 11/17/1997. Oil screens cleaned and inspected. Oil changed. Fuel screen cleaned. Fuel injectors sonic cleaned. Fuel system pressure checked. Compressions on cylinders checked at #1-77/80, #2-77/80, #3-74/80, # 4-76/80. Spark plugs cleaned, gapped and rotated. Magneto timing checked at 20* BTDC cylinder #1. Engine washed and serviced.... A.D. 2011-26-04 eff. date 1/25/2012 Lycoming Fuel Injection Line inspection complied with by visual inspection I/A/W Lycoming Service Bulletin 342A, 342D & 342E & F no defects found. Inspection will be due again 8/2016 or 5588.5 hours.... A.D. 2015-02-07, effective date 3/11/2015, Lycoming Engines wide deck aerobatic reciprocating engines that have either an "A" or an "E" at the end of the serial number and a front mounted propeller govenor. N/A to engine model installed. No further action required.... Magneto Lt. base gasket and adapter plate gasket removed and replaced. Installed magneto in original location and timed to engine at 20* BTDC cylinder #1. No leaks noted. Ops check good.... Starter motor housing attach bolts tightened. Ops checked good.... Oil drain back flexible line cylinder #1 worm drive clamps tightened. No leaks noted.

ENGINE GROUND OPERATED, ALL SYSTEMS CHECKED NORMAL.
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIRMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 17 August, 2015 SIGNED:

Michael Tillman, A&P: 2845176 IA

Work Order: 15085

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PROP MODEL:
B3D36C429
PROP S/N: 071038
REG. NO: 5169M
WORK ORDER: 14737

Mangon Aircraft, Inc.

501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 19 July, 2014
A/C TSN: 5431.8
PROP TT: 644.7
TSPOH: 376
TACH: 5431.8

Prop Entries

Propeller inspected and serviced in accordance with the Raytheon/Beech Maintenance Manual for a 100-Hour Inspection Interval.Propeller Hub inspected and serviced. Propeller Blades cleaned, inspected, tracked, profiled and painted.

PROPELLER GROUND OPERATED, ALL FUNCTIONS CHECKED NORMAL.
I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIRMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 19 July, 2014 SIGNED:

Ronald Mangon, A&P: 3456258 IA

Work Order: 14737

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				l Signatures and Station e Numbers

PROP MODEL:
B3D36C429
PROP S/N: 071038
REG. NO: 5169M
WORK ORDER: 15085

Mangon Aircraft, Inc.

501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 17 August, 2015
A/C TSN: 5488.5
PROP TT: 701.4
TSPOH: 432.7
TACH: 5488.5

Prop Entries

Propeller inspected and serviced in accordance with the Raytheon/Beech Maintenance Manual for a Annual/100-Hour Inspection Interval. Propeller Hub inspected and serviced. Propeller Blades cleaned, inspected, tracked, profiled and painted.

PROPELLER GROUND OPERATED, ALL FUNCTIONS CHECKED NORMAL.
I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIRMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 17 August, 2015 SIGNED:

Michael Tillman, A&P: 2845176 IA

Work Order: 15085

Printed by EBis 3 (datcomedia.com)

Note: Enter Compliance With All Applicable FAA A.D. & Factory Service Bulletins On Pages 11 & 12

WORK ORDER: 15427

501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 08 June, 2016
A/C TSN: 5501.8
ENG TT: 6110.94
TSMOH: 714.7
TACH: 5501.8

Engine Entries

Engine completed an Annual/100 hour inspection to comply with FAR 91.409, (a), (1), for Annual Certification. Inspection in accordance with Hawker Beechcraft Service Manual Sierra 200 Series, Pn.169-590015, Revision G5 dated 11/17/1997. Oil screens cleaned and inspected. Oil changed and serviced with 7 Qts. Aeroshell 15W-50. Fuel screen cleaned. Fuel injectors sonic cleaned. Fuel system pressure checked. Compressions on cylinders checked at #1-77/80, #2-78/80, #3-74/80, #4-78/80. Spark plugs cleaned, gapped and rotated. Magneto timing checked at 20° BTDC cylinder #1. Engine washed and serviced. See following corrected discrepancies.... Rocker box cover cylinder #3 removed, cleaned, and inspected. Rocker box cover cylinder #3 replaced with new gasket and torqued screws. Aircraft ground operated. No leaks noted.... Oil Vernatherm/oil screen housing removed, cleaned and inspected. Oil Vernatherm and oil temperature probe removed from warped oil housing and installed on new housing. Oil temperature probe and Vernatherm safetied. Installed Oil Vernatherm/oil screen housing in original location. Aircraft ground operated. No leaks noted.... A.D. 2015-19-07, effective date 11/3/2015, Lycoming Fuel Injection Line inspection complied with per Lycoming Service Bulletin 342A, 342D, 342E, 342F & 342G. Next due 5601.8 TT.

ENGINE GROUND OPERATED, ALL SYSTEMS CHECKED NORMAL.
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIRMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 08 June, 2016 SIGNED: Matthew B. Hubner

Matthew Hubner, A&P: 2766384 IA

Work Order: 15427

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:
IO-360-A1B6
ENGINE S/N: L-23094-51A
REG. NO: 5169M
WORK ORDER: 15763

Mangon Aircraft, Inc.

501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 14 August, 2017
A/C TSN: 5554.8
ENG TT: 6163.94
TSMOH: 767.7
TACH: 5554.8

Engine Entries

Engine completed an Annual/100 hour inspection to comply with FAR 91.409, (a), (1), for Annual Certification. Inspection in accordance with Hawker Beechcraft Service Manual Sierra 200 Series, Pn.169-590015, Revision G5 dated 11/17/1997. Oil screens cleaned and inspected. Oil changed and serviced with 7 Qts. Aeroshell 15W-50. Fuel screen cleaned. Fuel injectors sonic cleaned. Fuel system pressure checked. Compressions on cylinders checked at #1-77/80, #2-78/80, #3-74/80, #4-78/80. Spark plugs cleaned, gapped and rotated. Magneto timing checked at 20° BTDC cylinder #1. Engine washed and serviced.... Adjusted engine idle speed.... A.D. 2015-19-07, effective date 11/3/2015, Lycoming Fuel Injection Line inspection complied with per Lycoming Service Bulletin 342G and Supplements 1 & 2. Next due 5654.8 TT.

ENGINE GROUND OPERATED, ALL SYSTEMS CHECKED NORMAL.
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIRMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 14 August, 2017 SIGNED: Ronald Mangon

Ronald Mangon, A&P: 3456258 IA

Work Order: 15763

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:
IO-360-A1B6
ENGINE S/N: L-23094-51A
REG. NO: 5169M
WORK ORDER: 15427

Mangon Aircraft, Inc.

501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 08 June, 2016
A/C TSN: 5501.8
ENG TT: 6110.94
TSMOH: 714.7
TACH: 5501.8

Engine Entries

Engine completed an Annual/100 hour inspection to comply with FAR 91.409, (a), (1), for Annual Certification. Inspection in accordance with Hawker Beechcraft Service Manual Sierra 200 Series, Pn.169-590015, Revision G5 dated 11/17/1997. Oil screens cleaned and inspected. Oil changed and serviced with 7 Qts. Aeroshell 15W-50. Fuel screen cleaned. Fuel injectors sonic cleaned. Fuel system pressure checked. Compressions on cylinders checked at #1-77/80, #2-78/80, #3-74/80, #4-78/80. Spark plugs cleaned, gapped and rotated. Magneto timing checked at 20° BTDC cylinder #1. Engine washed and serviced. See following corrected discrepancies.... Rocker box cover cylinder #3 removed, cleaned, and inspected. Rocker box cover cylinder #3 replaced with new gasket and torqued screws. Aircraft ground operated. No leaks noted.... Oil Vernatherm/oil screen housing removed, cleaned and inspected. Oil Vernatherm and oil temperature probe removed from warped oil housing and installed on new housing. Oil temperature probe and Vernatherm safetied. Installed Oil Vernatherm/oil screen housing in original location. Aircraft ground operated. No leaks noted.... A.D. 2015-19-07, effective date 11/3/2015, Lycoming Fuel Injection Line inspection complied with per Lycoming Service Bulletin 342A, 342D, 342E, 342F & 342G. Next due 5601.8 TT.

ENGINE GROUND OPERATED, ALL SYSTEMS CHECKED NORMAL.
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIRMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 08 June, 2016 SIGNED: Matthew B. Hubner

Matthew Hubner, A&P: 2766384 IA

Work Order: 15427

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:
IO-360-A1B6
ENGINE S/N: L-23094-51A
REG. NO: 5169M
WORK ORDER: 15763

Mangon Aircraft, Inc.

501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 14 August, 2017
A/C TSN: 5554.8
ENG TT: 6163.94
TSMOH: 767.7
TACH: 5554.8

Engine Entries

Engine completed an Annual/100 hour inspection to comply with FAR 91.409, (a), (1), for Annual Certification. Inspection in accordance with Hawker Beechcraft Service Manual Sierra 200 Series, Pn.169-590015, Revision G5 dated 11/17/1997. Oil screens cleaned and inspected. Oil changed and serviced with 7 Qts. Aeroshell 15W-50. Fuel screen cleaned. Fuel injectors sonic cleaned. Fuel system pressure checked. Compressions on cylinders checked at #1-77/80, #2-78/80, #3-74/80, #4-78/80. Spark plugs cleaned, gapped and rotated. Magneto timing checked at 20° BTDC cylinder #1. Engine washed and serviced.... Adjusted engine idle speed.... A.D. 2015-19-07, effective date 11/3/2015, Lycoming Fuel Injection Line inspection complied with per Lycoming Service Bulletin 342G and Supplements 1 & 2. Next due 5654.8 TT.

ENGINE GROUND OPERATED, ALL SYSTEMS CHECKED NORMAL.
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIRMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 14 August, 2017 SIGNED: Ronald Mangon

Ronald Mangon, A&P: 3456258 IA

Work Order: 15763

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PROP MODEL:
B3D36C429
PROP S/N: 071038
REG. NO: 5169M
WORK ORDER: 15427

Mangon Aircraft, Inc.
501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 08 June, 2016
A/C TSN: 5501.8
PROP TT: 714.7
TSPOH: 446
TACH: 5501.8

Prop Entries

Propeller inspected and serviced in accordance with the Raytheon/Beech Maintenance Manual for a 100-Hour Inspection Interval.Propeller Hub inspected and serviced. Propeller Blades cleaned, inspected, tracked, profiled and painted.

PROPELLER GROUND OPERATED, ALL FUNCTIONS CHECKED NORMAL.
I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIRMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 08 June, 2016 SIGNED: Matthew R. Hubner

Matthew Hubner, A&P: 2766384 IA

Work Order: 15427

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PROP MODEL:
B3D36C429
PROP S/N: 071038
REG. NO: 5169M
WORK ORDER: 15763

Mangon Aircraft, Inc.
501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 14 August, 2017
A/C TSN: 5554.8
PROP TT: 767.7
TSPOH: 499
TACH: 5554.8

Prop Entries

Propeller inspected and serviced in accordance with the Raytheon/Beech Maintenance Manual for a 100-Hour Inspection Interval.Propeller Hub inspected and serviced. Propeller Blades cleaned, inspected, tracked, profiled and painted.

PROPELLER GROUND OPERATED, ALL FUNCTIONS CHECKED NORMAL.
I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIRMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 14 August, 2017 SIGNED: Ronald Mangon

Ronald Mangon, A&P: 3456258 IA

Work Order: 15763

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				uthorized Signatures epairman and Station Certificate Numbers

Note: Enter Compliance With All Applicable FAA A.D. & Factory Service Bulletins On Pages 11 & 12

MAKE:
Beechcraft-Raytheon
MODEL: C24R
S/N: MC-584
REG. NO: 5169M
WORK ORDER: 16277

Mangon Aircraft, Inc.

501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 01 November, 2018
A/C TSN: 5650.2
TACH: 5650.2

Airframe Entries

Aircraft completed with Annual/100 hour inspection to comply with FAR 91.409, (a), (1), for Annual Certification. Inspection in accordance with Hawker Beechcraft Service Manual Sierra 200 Series, Pn.169-590015, Revision G5 dated 11/17/1997.... ELT completed with FAR 91.207 (d), inspection, battery expiration, and impact signal testing. See AC43-13-1B, Sec. 12-22, a. thru f. Next test date due at 12/2019 and battery replacement due at 5/30/2021.... Battery complied with Manufacture capacitance check for annual certification. Removed battery, cleaned, inspected, charged for two hours, performed capacitance test, recharged to specifications, serviced and installed. Battery at 84.7%. Due again 10/2019.... A.D. 87-02-08 eff. date 01/27/1987 Beechcraft/Raytheon Stabilator hinge assemblies inspected I/A/W SB 2182 para. 1-2. No discrepancies noted. Next due at 5750.2 hrs.... Vacuum central and relief filters replaced I/A/W Airborne Service Letter 59A.... Engine air filter replaced I/A/W continued airworthiness requirements instructions per Brackett Air filter Document I-194.... Exhaust system muffler assembly removed and sent to Plane Exhaust for repairs. Re-installed Overhauled muffler assembly in original location. Inspection found #4 stack riser didn't match up with muffler assembly upon re-installation. Muffler assembly removed and sent back to Plane Exhaust for repair. Re-installed muffler assembly after repairs in original location with new exhaust gaskets. Ground run up performed. Clam shells re-torqued.... Exhaust shroud removed and sent for weld repair to a Certified welder. Re-installed shroud in original location.... Rt. brake caliper removed, cleaned, inspected and re-sealed. System purged of trapped air. System serviced with hydraulic fluid. No leaks noted. Ops check good.... Rt. front baffle attach point to center baffle hard wear tightened.... Brake linings Rt. & Lt. main wheels removed and replaced. Linings and discs conditioned IAW Cleveland conditioning procedures.... Fresh air plenum assembly Lt. side installed under instrument glare shield.... Cabin heat ducting under Co-Pilot floor replaced.... Fuel cap seals replaced.... Throttle position micro-switch replaced. Aircraft jacked and gear swung. Ops checked good.... Rt. Cabin door arm rivet compressed and arms straighten. Ops test good.

AIRCRAFT GROUND OPERATED, ALL SYSTEMS CHECKED NORMAL.
I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIRMENTS OF A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 01 November, 2018 SIGNED:

Michael Tillman, A&P: 2845176 IA

Work Order: 16277

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Precision Static Testing Livermore, CA
FAA Certified Repair Station #QJAR856X
PHONE: (925) 449-5904 FAX (925) 449-6081

ertify that the altimeter(s) and static system(s) tests required
14 CFR § 91.411 and transponder tests as required by §
.413, including data correspondence, required by § 91.217,
ve been performed and found to comply with 14 CFR Part
43, Appendix E and F.

Tested to 20K feet. Time: 5693.2
W/O# N 5169M
Date 5/26/2020

YEAR

DATE

ENGINE MODEL:
IO-360-A1B6
ENGINE S/N: L-23094-51A
REG. NO: 5169M
WORK ORDER: 16099

Mangon Aircraft, Inc.

501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 27 March, 2018
A/C TSN: 5608.7
ENG TT: 6217.84
TSMOH: 821.6
TACH: 5608.7

Engine Entries

Oil changed. Oil screens inspected and cleaned. Engine washed and serviced with 7qt. Aeroshell 15W-50. Engine ground operated. No leaks noted.

DATE: 27 March, 2018 SIGNED:

Work Order: 16099

Vicente Salinas, A&P: 3586922 IA

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ENGINE MODEL:
IO-360-A1B6
ENGINE S/N: L-23094-51A
REG. NO: 5169M
WORK ORDER: 16277

Mangon Aircraft, Inc.

501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 01 November, 2018
A/C TSN: 5650.2
ENG TT: 6259.34
TSMOH: 863.1
TACH: 5650.2

Engine Entries

Engine completed an Annual/100 hour inspection to comply with FAR 91.409, (a), (1), for Annual Certification. Inspection in accordance with Hawker Beechcraft Service Manual Sierra 200 Series, Pn.169-590015, Revision G5 dated 11/17/1997. Oil screens cleaned and inspected. Oil changed and serviced with 7 Qts. Aeroshell 15W-50. Fuel screen cleaned. Fuel injectors sonic cleaned. Fuel system pressure checked. Compressions on cylinders checked at #1-77/80, #2-74/80, #3-69/80, #4-70/80. Spark plugs cleaned, gapped and rotated. Magneto timing checked at 20* BTDC cylinder #1. Engine washed and serviced.... A.D. 2015-19-07, effective date 11/3/2015, Lycoming Fuel Injection Line inspection complied with per Lycoming Service Bulletin 342G Supplements 1 & 2.... Magnetos Lt. and Rt. adjusted and timed to engine at 20* BTDC cylinder #1. Operations check satisfactory. No leaks noted.... Tightened oil gage housing and safety.... Starter removed for damaged thru bolts and replaced with new SkyTec starter. Ops checked good.

ENGINE GROUND OPERATED, ALL SYSTEMS CHECKED NORMAL.
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIRMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 01 November, 2018 SIGNED:

Work Order: 16277

Michael Tillman, A&P: 2845176 IA

Printed by EBis 3 (datcomedia.com)

PROP MODEL:
B3D36C429
PROP S/N: 071038
REG. NO: 5169M
WORK ORDER: 16277

Mangon Aircraft, Inc.
501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 01 November, 2018
A/C TSN: 5650.2
PROP TT: 863.1
TSPOH: 594.4
TACH: 5650.2

Prop Entries

Propeller 100 hr./Annual inspection complied with FAR 91.409, (a), (1). Inspected in accordance with Hawker Beechcraft Service Manual Sierra 200 Series, Pn.169-590015, Revision G5 dated Propeller Hub inspected. Propeller Blades cleaned, inspected, tracked, profiled and painted.

PROPELLER GROUND OPERATED, ALL FUNCTIONS CHECKED NORMAL.
I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIRMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 01 November, 2018 SIGNED:

Michael Tillman, A&P: 2845176 IA

Work Order: 16277

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TORY

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pairman and Station
Certificate Numbers

PROP MODEL:
B3D36C429
PROP S/N: 071038
REG. NO: 5169M
WORK ORDER: 16508

Mangon Aircraft, Inc.
501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 14 September, 2020
A/C TSN: 5693.2
PROP TT: 906.1
TSPOH: 637.4
TACH: 5693.2

Prop Entries

Propeller inspected and serviced in accordance with the Raytheon/Beech Maintenance Manual for a 100-Hour Inspection Interval with those items extracted that meets the requirements, scope and detail of FAR 43.13, Appendix D. Propeller Hub inspected. Propeller Blades cleaned, inspected, tracked, profiled and painted.

PROPELLER GROUND OPERATED, ALL FUNCTIONS CHECKED NORMAL.
I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIRMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 14 September, 2020 SIGNED:

Michael Tillman, A&P: 2845176 IA

Work Order: 16508

Printed by EBis 3 (datcomedia.com)

Note: Enter Compliance With All Applicable FAA A.D. & Factory Service Bulletins On Pages 11 & 12

Mangon Aircraft, Inc.

501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 14 September, 2020
A/C TSN: 5693.2
TACH: 5693.2

MAKE:
Beechcraft-Raytheon
MODEL: C24R
S/N: MC-584
REG. NO: 5169M
WORK ORDER: 16508

Airframe Entries

Aircraft was inspected as required by FAR 91.409 (a) (1). 100 Hour inspection and service completed on aircraft using a checklist with those items extracted from the Hawker Beechcraft Service Manual Sierra 200 Series, Pn.169-590015, Revision G5 that meets the requirements, scope and detail of FAR 43.13, Appendix D.... Battery complied with Manufacture capacitance check for annual certification. Remove battery, clean, inspect, charge for two hours, perform capacitance test. Battery failed 1st attempt at 70.9%. Performed a conditioning charging procedure per Teledyne Gill Corp. instructions to charge battery with a constant current of 3.3 AMPS for 5 hours. Battery passed 2nd attempt at 91.5%. Inspection due again 9/2021.... Engine air filter replaced to comply with continued airworthiness requirements instructions as outlined in Brackett Air filter Document I-194.... ELT comply with FAR 91.207 (d), inspection, battery expiration, and impact signal testing. See AC43-13-1B, Sec. 12-22, a. thru f. Next test date and battery replacement due 5/2021.... Vacuum central and relief filters replaced I/A/W Airborne Service Letter 59A.... Oil cooler removed and replaced. Fittings removed and re-installed on new part. Ground run up performed. No leaks noted. Ops check good.... Windshield cracked at four locations removed and replaced with customer supplied part. Glareshield removed for visual inspection. Defroster duct removed for access. Removed all interior parts to gain access to window. Removed windshield bands and attaching rivets. Remove all previously installed sealants. Window trimmed to fit and attach holes drilled. OAT and compass attach holes drilled for fit. Installed windshield with new sealant. Hardware replaced. Installed all removed interior parts around window. Installed OAT probe and compass. Concealed wiring harness for compass with aluminum tubing. RTV sealant installed on outer windshield faying edges and sealed to airframe.... Rt. magneto "P" lead connector removed and replaced. Ops check good.... Fuel cap seals replaced.... Nose landing gear shock discs removed and replaced per Beech Aircraft Corp. C24R Shop manual Pn. 169-590015G5 page 3-40 & 3-40A. Measurements within limits. Torqued and safety. Emergency gear valve opened and nose gear manually pushed into gear well. Nose gear centered in gear well. Gear swung though 10X times normal operation and 3X times emergency extend. No defects noted. Ops check good.... Electric fuel pump outlet fitting packing removed and replaced. Ops check good. No leaks detected.... Rt. tank fuel sump drain cleared seal of debris. No leaks noted.... Installed large area washer on forward attach point on Air filter housing.... Trouble shot Excessive oil leak at front of engine and found case halfs leaking on the bottom side of the case from the sump forward. Removed baffling, air filter housing and starter to gain access. Removed paint and cleaned case halfs. Applied a bead of Low Adhesion 3M Sealant. Tightened Hardware.... Wing Tip Sky Beacon ADS-B... Nose gear trunnion assembly removed for access. Top collar assembly removed. Nose gear bearings removed and replaced. Assembly shimmed to specifications. Re-installed trunnion assembly in original location. Top collar assembly re-installed and safety. gear swung through 10X times normal operation. Ops check good.... Plates for Lt. and Rt. main gear shock absorbers removed and installed fabricated plates.... Wires for light on compass removed and replaced with extended new wires.... Defroster duct assembly repaired with plastic welder. Re-installed duct assembly under glare shield. Ops check good.

AIRCRAFT GROUND OPERATED, ALL SYSTEMS CHECKED NORMAL.
I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIRMENTS OF A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 14 September, 2020 SIGNED:

Michael Tillman, A&P: 2845176 IA

Work Order: 16508

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YEAR / DATE	REC TACI TIME

ENGINE MODEL:
IO-360-A1B6
ENGINE S/N: L-23094-51A
REG. NO: 5169M
WORK ORDER: 16413

Mangon Aircraft, Inc.
501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 07 April, 2
A/C TSN: 5
ENG TT: 6
TSMOH:
TACH:

Engine Entries

Magneto to engine timing checked at 20° BTDC cylinder#1. Magnetos removed to check the internal timing. Inspection found Lt. magneto, starting magneto, had excessive carbon particles in rotor assembly. Magneto cleaned of debris and internal timing adjusted to specifications. Re-installed both magnetos in their original locations. Ground run up performed. No leaks noted. Ops check good.

DATE: 07 April, 2019 SIGNED:

David Mangon, A&P: 3592237

Work Order:

Printed by EBis 3 (datcomedia

ENGINE MODEL:
IO-360-A1B6
ENGINE S/N: L-23094-51A
REG. NO: 5169M
WORK ORDER: 16508

Mangon Aircraft, Inc.
501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 14 September, 2020
A/C TSN: 5693.2
ENG TT: 6302.34
TSMOH: 906.1
TACH: 5693.2

Engine Entries

100 Hour inspection and service completed on engine using Hawker Beechcraft Service Manual Sierra 200 Series, Pn.169-590015, Revision G5 with those items extracted that meets the requirements, scope and detail of FAR 43.13, Appendix D. Oil drained, oil screens removed and inspected no metal particles. Oil serviced to 7 Qts. with Aeroshell 15W-50. Compression test: Cylinder 1- 79/80, 2-76/80, 3-72/80, 4-72/80. Magnetos, timing and sync'd at 20 degrees BTC, cylinder #1. Fuel Injector Nozzles removed, cleaned and installed back in orignal locations. Fuel system pressure checked, no leaks. Exhaust system pressure checked no leaks.... A.D. 2015-19-07, effective date 11/3/2015, Lycoming Fuel Injection Line inspection complied with per Lycoming Service Bulletin 342G Supplements 1 & 2. No defects noted due again 5803.2 hrs.

ENGINE GROUND OPERATED, ALL SYSTEMS CHECKED NORMAL.
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIRMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 14 September, 2020 SIGNED:

Michael Tillman, A&P 2845176 IA

Work Order: 16508

Printed by EBis 3 (datcomedia.com)

Test Altitude	Scale Error	Friction Error	Encoder
-1000	0		-1.0
0	+5		.0
500	+10		.5
1000	+10	20	1.0
1500	+10		1.5
2000	+10	20	2.0
3000	+20	20	3.0
4000	+10		4.0
5000	+10		5.0
6000	+5		6.0
8000	0		8.0
10000	-10	20	10.0
12000	-20		12.0
14000	-20		14.0
15000	-20	30	15.0
16000	-20		16.0
18000	-10		18.0
20000	+20	3-	20.0
22000			
25000			
30000			
35000			
40000			
45000			
50000			

Leak Acft/Case 7 @ 1 hour

Hysteresis

% Altitude Tested	Altitude Tested	Amount Hysteresis
50%	10h	+10
40%	8h	+10

After Effect 0 Check Pitot Heat ☑

Baro. Scale Error (± 25 ft.)

28.10	-1727	✓
28.50	-1340	✓
29.00	-863	✓
29.50	-392	✓
29.92	0	✓
30.50	+531	✓
30.90	+893	✓
30.99	+974	✓

Aircraft # M 5169M

Date Tested: 5/26/2020

Technician:

Inspector:

Tested in compliance with Appendix E, Part 43, F.A.R 91.411

Tested to: 20h ft. W.O. #: 17740

Precision Static Testing FAA CRS# QJAR856X

PILOT / FIRST OFFICER / STAND-BY

Form 1A A02 / 08 Jan 2007

have been performed and found to comply with 14 CFR Part 43, Appendix E and F.

Tested to 20h feet. Time: 5652.2

W/O# 17740 N 5169M

Inspected by Date 5/26/2020

DATE: 01 November, 2
A/C TSN: 565
TACH: 56

spection in accordance with Hawk
ith FAR 91.207 (d), inspection, ba
attery replacement due at 5/30/20
ed, charged for two hours, perfor
87-02-08 eff. date 01/27/1987
xt due at 5750.2 hrs.... Vacuum
ess requirements instructions pa
airs. Re-installed Overhauled m
ation. Muffler assembly removed
aust gaskets. Ground run up pe
xud in original location.... Rt bra
fluid. No leaks noted. Ops che
oved and replaced. Linings and
ent glare shield.... Cabin heat
and gear swung. Ops checke

A ANNUAL INSPECTION AN

Work Or

'rinted by EBis 3 (datcor

MAKE:
Beechcraft-Raytheon
MODEL: C24R
S/N: MC-584
REG. NO: 5169M
WORK ORDER: 17145

Mangon Aircraft, Inc.

501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 01 July, 2022
A/C TSN: 5717.4
TACH: 5717.4

DATE OF COMPLETION

Airframe Entries

Aircraft was inspected as required by FAR 91.409 (a) (1). 100 Hour inspection and service completed on aircraft using a checklist with those items extracted from the Hawker Beechcraft Service Manual Sierra 200 Series, Pn.169-590015, Revision G5 that meets the requirements, scope and detail of FAR 43.13, Appendix D.... Battery complied with Manufacture capacitance check for annual certification. Remove battery, clean, inspect, charge for two hours, perform capacitance test. Battery failed 1st at 72.3%. Performed battery conditioning procedures per Teledyne Gill MM instructions to charge battery for 5 hours at a constant current rate of 3.3AMPS. Battery passed 2nd attempt at 100%. Inspection due again 7/2023.... ELT comply with FAR 91.207 (d), inspection, battery expiration, and impact signal testing. See AC43-13-1B, Sec. 12-22, a. thru f. Next test date 7/2023. Battery replacement due 10/2024.... Engine air filter replaced I/A/W continued airworthiness requirements instructions per Brackett Air filter Document I-194.... Vacuum relief filters replaced I/A/W Airborne Service Letter 59A.... Nose tire serviced to specifications (35psi).... A.D. 2021-23-12, effective date 12/9/2021, To all transport and commuter category airplanes equipped with a radio altimeters. N/A to aircraft designation. No further action required.... A.D. 2022-03-15, effective date 03/21/2022, To Ensure That the Amount of Fuel Indicated is the Amount of Fuel Available. The Unsafe Condition, if Not Addressed, Could Result in Fuel Starvation and Engine Shutdown Which Could Result in the Inability to Arrive at the Destination Airport or a suitable alternative airport. Not applicable this part is not installed. No further action required.... Lt. brake caliper removed and re-sealed. Lt. brake bled. Reservoir serviced. Ops check good. No leaks noted.... Main tire Rt. and wheel assembly removed. Inner tube, bearings, races, and wheel halves, cleaned & inspected. Lubricated bearings with Mobil aviation grease SHC 100. Replaced tire and installed on wheel halves, torqued wheel nuts to 150 in. lbs. Installed wheel assembly on axle, torqued and safety. Tire serviced to 32 PSI.... Brake linings and discs Rt. & Lt. main wheels removed and replaced. Linings and discs conditioned IAW Cleveland conditioning procedures.... Engine baffling support bracket aft of the fly wheel repaired. Ops check good.... Rt. magneto grounding ring terminal removed and replaced. Ops check good.

AIRCRAFT GROUND OPERATED, ALL SYSTEMS CHECKED NORMAL.
I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIRMENTS OF AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

Work Order: 17145

DATE: 01 July, 2022 SIGNED:

Michael Tillman, A&P: 2845176 IA

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Precision Static Testing Livermore, CA
FAA Certified Repair Station #QJAR856X
PHONE: (925) 449-5904 FAX (925) 449-6081

I certify that the altimeter(s) and static system(s) tests required by 14 CFR § 91.411 and transponder tests as required by § 91.413, including data correspondence, required by § 91.217, have been performed and found to comply with 14 CFR Part

07 April, 2019
TSN: 5658.7
TT: 6267.84
SMOH: 871.6
ACH: 5658.7

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led both

er: 16413
edia.com)

ENGINE MODEL:
IO-360-A1B6
ENGINE S/N: L-23094-51A
REG. NO: 5169M
WORK ORDER: 17145

Mangon Aircraft, Inc.

501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 01 July, 2022
A/C TSN: 5717.4
ENG TT: 6326.54
TSMOH: 930.3
TACH: 5717.4

d Alterations
ate Number of
pecific entries.)

Engine Entries

100 Hour inspection and service completed on engine using Hawker Beechcraft Service Manual Sierra 200 Series, Pn.169-590015, Revision G5 with those items extracted that meets the requirements, scope and detail of FAR 43.13, Appendix D. Oil drained, oil screens removed and inspected no metal particles. Oil serviced to 7 Qts. with Aeroshell 15W-50. Compression test: Cylinder 1- 79/80, 2-76/80, 3-72/80, 4-72/80. Magnetos, timing and sync'd at 20 degrees BTC, cylinder #1. Fuel Injector Nozzles removed, cleaned and installed back in orignal locations. Fuel system pressure checked, no leaks. Exhaust system pressure checked no leaks.... A.D. 2015-19-07, effective date 11/3/2015, Lycoming Fuel Injection Line inspection complied with per Lycoming Service Bulletin 342G, Supplements 1 & 2. No defects noted.

ENGINE GROUND OPERATED, ALL SYSTEMS CHECKED NORMAL.
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIRMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 01 July, 2022 SIGNED: Work Order: 17145

Michael Tillman, A&P: 2845176 IA

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PROP MODEL: B3D36C429
PROP S/N: 071038
REG. NO: 5169M
WORK ORDER: 17145

Mangon Aircraft, Inc.

501 Sky Ranch Drive
Petaluma, CA 94954-3908
Phone: (707) 765-1848

DATE: 01 July, 2022
A/C TSN: 5717.4
PROP TT: 930.3
TSPOH: 661.6
TACH: 5717.4

Prop Entries

Propeller inspected and serviced in accordance with the Hawker Beechcraft Service Manual Sierra 200 Series, Pn.169-590015, Revision G5 dated 11/17/1997 for a 100-Hour Inspection Interval with those items extracted that meets the requirements, scope and detail of FAR 43.13, Appendix D. Propeller Hub inspected. Propeller Blades cleaned, inspected, tracked, profiled and painted.

PROPELLER GROUND OPERATED, ALL FUNCTIONS CHECKED NORMAL.
I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIRMENTS OF A 100-HOUR INSPECTION FOR AN ANNUAL CERTIFICATION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 01 July, 2022 SIGNED: Work Order: 17145

Michael Tillman, A&P: 2845176 IA

Printed by EBis 3 (datcomedia.com)

Test Altitude	Scale Error	Friction Error	Encoder
-1000	0		-1.0
0	0		.0
500	0		.5
1000	+10	10	1.0
1500	+20		1.5
2000	+10	10	2.0
3000	+10	10	2.0
4000	+10		4.0
5000	0		5.0
6000	0		6.0
8000	-20		8.0
10000	-20	20	10.0
12000	-40		12.0
14000	-50		14.0
15000	-40	20	15.0
16000	-40		16.0
18000	-30		18.0
20000	-10	20	20.0
22000			
25000			
30000			
35000			
40000			
45000			
50000			

Leak Acft/Case 42 • 410000

Hysteresis

% Altitude Tested	Altitude Tested	Amount Hysteresis
50%	10k	+10
40%	8k	+10

After Effect 0 Check Pitot Heat ☑

Baro. Scale Error (± 25 ft.)

28.10	-1727	✓
28.50	-1340	✓
29.00	-863	✓
29.50	-392	✓
29.92	0	✓
30.50	+531	✓
30.90	+893	✓
30.99	+974	✓

Aircraft # N5169M

Date Tested: 6/27/2021

Technician:

Inspector:

Tested in compliance with Appendix E, Part 43, F.A.R 91.411

Tested to: 20k ft. W.O. #: 21364

Precision Static Testing FAA CRS# QJAR856X

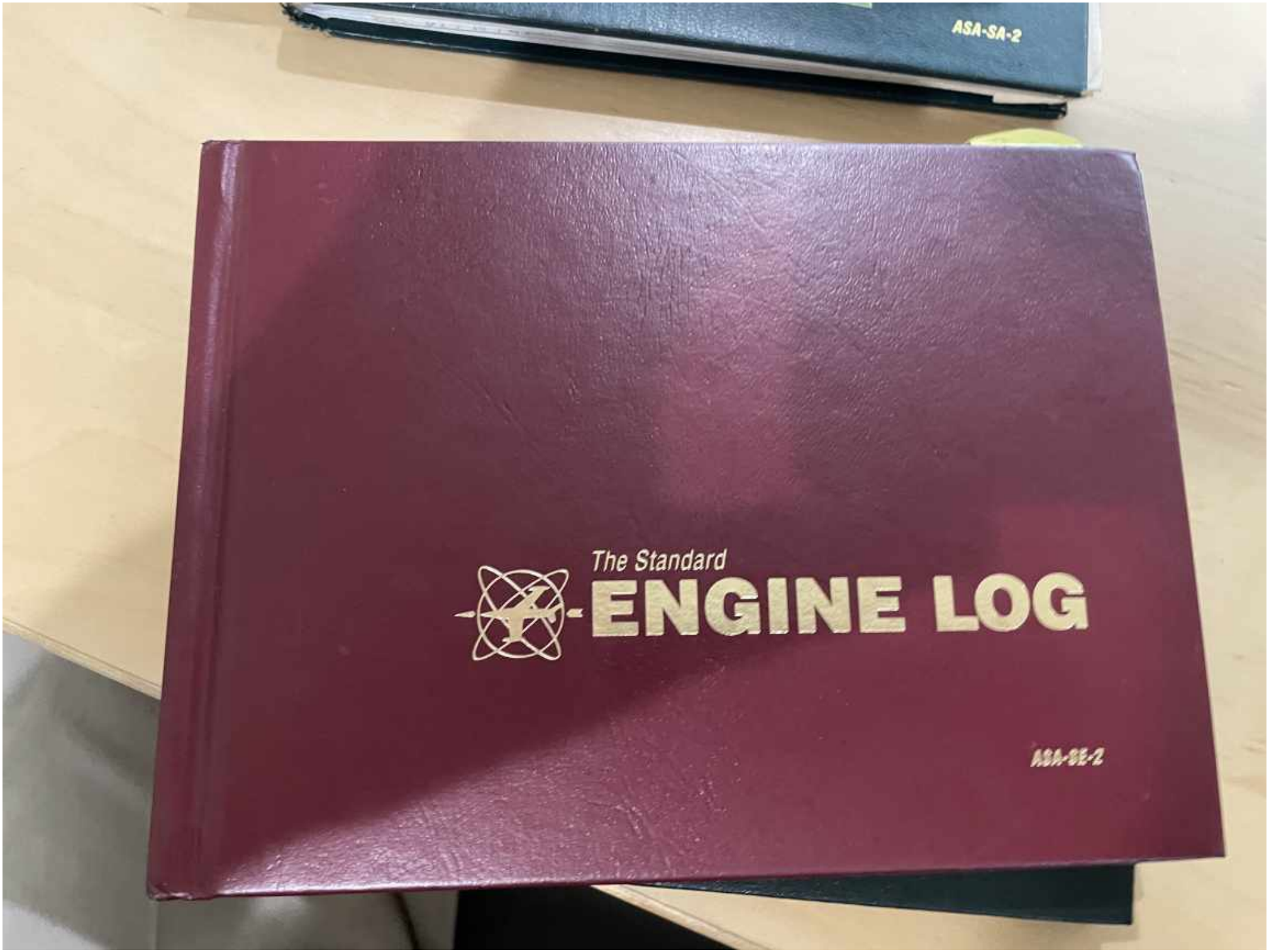
PILOT / FIRST OFFICER / STAND-BY

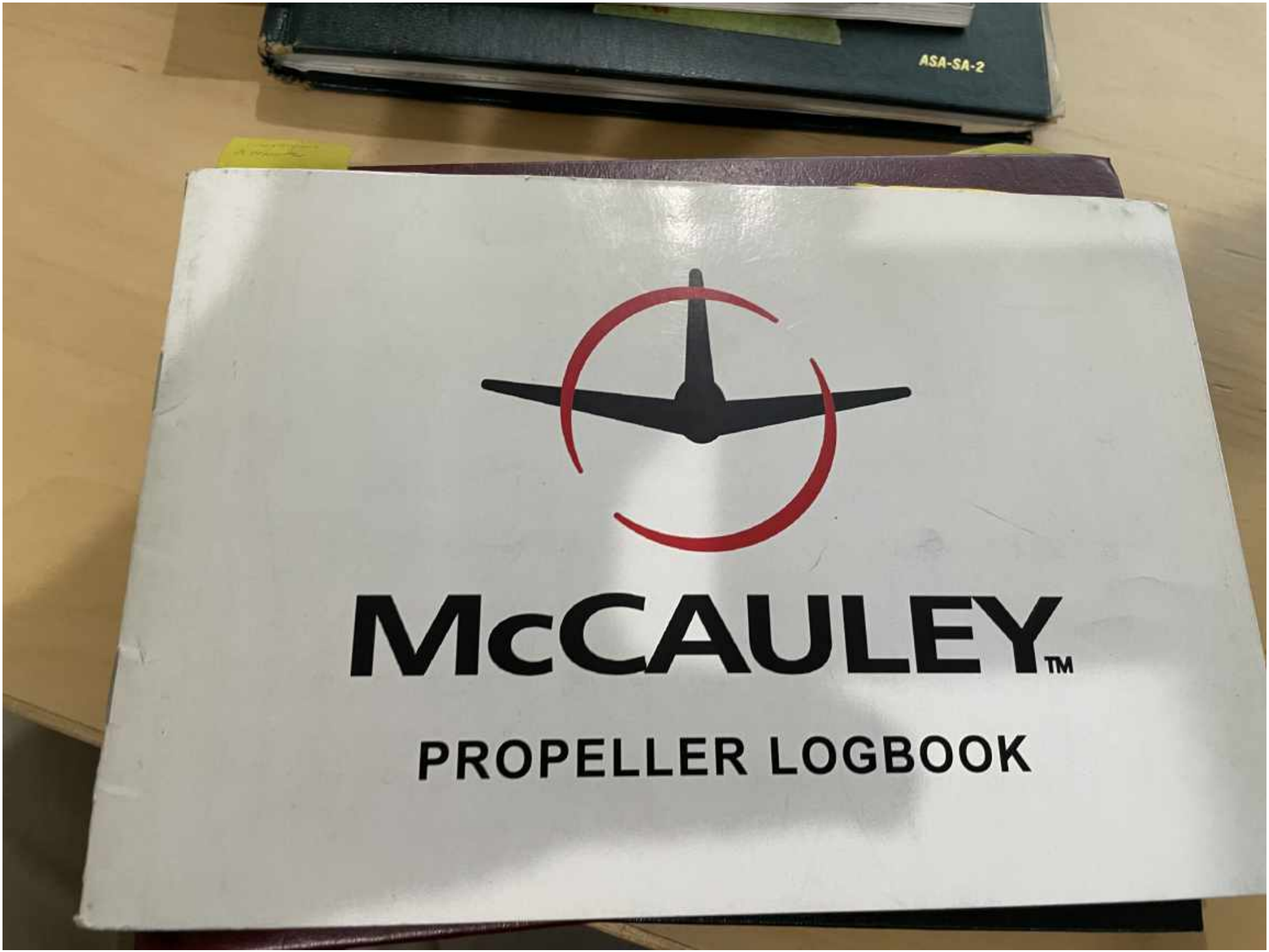
Form 1A

A02 / 08 Jun 2007

91.411, including ...
have been performed and found to comply with 14 CFR Part
43, Appendix E and F.
Tested to 20k feet. Time: 5712.1
W/O# 21364 N 5169M

AIRCRAFT LOG
AF5-1


ASA-SA-2
The Standard
ENGINE LOG
ASA-SE-2


ASA-SA-2
McCAULEY™
PROPELLER LOGBOOK