

The subject aircraft was involved in an incident /
accident on 4/10/2026 rendering it a Constructive Total
Loss as not repairable within its insured value. For
further details refer to insurance claim: 5558540399US.

Signed: *Underwriters Salvage Company*

Date: **6/8/2026**

AIG Aerospace Adjustment Services Inc
3500 Lenox Road, Suite 1100

-N45314C s/n L50582-00 -

ENGINE LOG
EF5-1

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
------	------------	---

Tail # N453HC	Model Daniel Marshall L-21	S/N 001	Date 3/7/26	Tach 969.1	TSOH 969.1
-------------------------	--------------------------------------	-------------------	-----------------------	----------------------	----------------------

Performed Condition Inspection this date using a General Inspection Form that contains the scope and details of appendix D to Part 43 as a guide.

Compression test: #1) 76/80, #2) 76/80, #3) 78/80, #4) 77/80. Changed engine oil and filter using Phillips X/C 20W-50. Checked magnetos. Leak checked fuel system. Inspected cabin heat and carb heat shrouds for condition and security. Inspected and lubricated throttle, mixture and carburetor heat controls. Post inspection engine ground run-up and operation check and leak check good. AD's checked through Biweekly 2026-04. **I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE SCOPE AND DETAIL OF APPENDIX D TO PART 43 AND FOUND TO BE IN A CONDITION FOR SAFE OPERATION.**

Signed _____



Jim LaRowe A&P 517563097

DATE

ARAPAHOE AERO


12760 EAST CONTROL TOWER ROAD, ENGLEWOOD, COLORADO 80112 (303) 799-8386

N453HC Lycoming O-360-EXP S/N: L-50582-00 Total Time: Unknown

11 February 2023 Tach Time: 896.3 SMOH: 896.3

Performed Condition Inspection this date using a General Inspection Form that contains the scope and detail of appendix D to Part 43 as a guide. Compression test: #1) 79/80, #2) 79/80, #3) 79/80, #4) 78/80. Changed engine oil and filter using (Phillips X/C 20W-50). Cut oil filter open and inspected, no contaminates noted. Cleaned, gapped, tested, and rotated spark plugs. Checked and adjusted magnetos to engine. Leak checked fuel system. Inspected cabin heat and carb heat shrouds for condition and security. Inspected and pressure tested exhaust system. Cleaned, inspected and reinstalled induction air filter. Inspected and lubricated throttle, mixture and carburetor heat controls. Post inspection engine ground run-up and, operational check and leak check good.

AD's checked through Biweekly 2023-04. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED ON IN ACCORDANCE WITH THE SCOPE AND DETAIL OF APPENDIX D TO PART 43 AND FOUND TO BE IN A CONDITION FOR SAFE OPERATION.


Michael J. Nigro A&P 3443131 w/o 44045

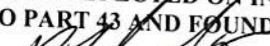
ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD, ENGLEWOOD, COLORADO 80112 (303) 799-8386

N453HC Lycoming O-360-EXP S/N: L-50582-00 Total Time: Unknown

28 February 2024 Tach Time: 922.1 SMOH: 922.1

Performed Condition Inspection this date using a General Inspection Form that contains the scope and detail of appendix D to Part 43 as a guide. Compression test: #1) 76/80, #2) 76/80, #3) 77/80, #4) 75/80. Changed engine oil and filter using (Phillips X/C 20W-50). Cut oil filter open and inspected, no contaminates noted. Cleaned, gapped, tested, and rotated spark plugs. Checked magnetos to engine. Leak checked fuel system. Inspected cabin heat and carb heat shrouds for condition and security. Inspected and pressure tested exhaust system. Cleaned, inspected and reinstalled induction air filter. Inspected and lubricated throttle, mixture and carburetor heat controls. Post inspection engine ground run-up and, operational check and leak check good. AD's checked through Biweekly 2024-04. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED ON IN ACCORDANCE WITH THE SCOPE AND DETAIL OF APPENDIX D TO PART 43 AND FOUND TO BE IN A CONDITION FOR SAFE OPERATION.


Michael J. Nigro A&P 3443131 w/o 44995


ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD, ENGLEWOOD, COLORADO 80112 (303) 799-8386

N453HC Lycoming O-360-EXP S/N: L-50582-00 Total Time: Unknown

19 February 2025 Tach Time: 938.0 SMOH: 938.0

Performed Condition Inspection this date using a General Inspection Form that contains the scope and detail of appendix D to Part 43 as a guide. Compression test: #1) 76/80, #2) 76/80, #3) 77/80, #4) 76/80. Changed engine oil and filter using (Phillips X/C 20W-50). Cut oil filter open and inspected, no contaminates noted. Checked magnetos to engine. Adjusted left magneto as needed. Installed new set (8) spark plugs P/N: REM40E. Cleaned engine mount bolts and applied corrosion preventative LPS3. Leak checked fuel system. Inspected cabin heat and carb heat shrouds for condition and security. Inspected and pressure tested exhaust system. Cleaned, inspected and reinstalled induction air filter. Inspected and lubricated throttle, mixture and carburetor heat controls. Post inspection engine ground run-up and, operational check and leak check good. AD's checked through Biweekly 2025-04. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED ON IN ACCORDANCE WITH THE SCOPE AND DETAIL OF APPENDIX D TO PART 43 AND FOUND TO BE IN A CONDITION FOR SAFE OPERATION.


Michael J. Nigro A&P 3443131 w/o 45866

DA

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD, ENGLEWOOD, COLORADO 80112 (303) 799-8386

N453HC Lycoming O-360-EXP S/N: L-50582-00 Total Time: Unknown

24 February 2020 Tach Time: 800.3 SMOH: 800.3

Performed Condition Inspection this date using a General Inspection Form that contains the scope and detail of appendix D to Part 43 as a guide. Compression test: #1) 76/80, #2) 75/80, #3) 76/80, #4) 75/80. Changed engine oil and filter using (Phillips X/C 20W-50). Cut oil filter open and inspected, no contaminants noted. Cleaned, gapped, tested, and rotated spark plugs. Leak checked fuel system. Inspected cabin heat and carb heat shrouds for condition and security. Inspected and pressure tested exhaust system. Cleaned, inspected and reinstalled induction air filter. Inspected and lubricated throttle, mixture and carburetor heat controls. Post inspection engine ground run-up an, operational check and leak check good. AD's checked through Biweekly 2020-04. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED ON IN ACCORDANCE WITH THE SCOPE AND DETAIL OF APPENDIX D TO PART 43 AND FOUND TO BE IN A CONDITION FOR SAFE OPERATION.

Michael J. Nigro A&P 3443131 w/o 40987

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD, ENGLEWOOD, COLORADO 80112 (303) 799-8386

N453HC Lycoming O-360-EXP S/N: L-50582-00 Total Time: Unknown

06 February 2021 Tach Time: 847.7 SMOH: 847.7

Performed Condition Inspection this date using a General Inspection Form that contains the scope and detail of appendix D to Part 43 as a guide. Compression test: #1) 76/80, #2) 77/80, #3) 76/80, #4) 78/80. Changed engine oil and filter using (Phillips X/C 20W-50). Cut oil filter open and inspected, no contaminants noted. Cleaned, gapped, tested, and rotated spark plugs. Checked and adjusted magnetos to engine. Leak checked fuel system. Inspected cabin heat and carb heat shrouds for condition and security. Inspected and pressure tested exhaust system. Cleaned, inspected and reinstalled induction air filter. Inspected and lubricated throttle, mixture and carburetor heat controls. Post inspection engine ground run-up and, operational check and leak check good. AD's checked through Biweekly 2021-03. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED ON IN ACCORDANCE WITH THE SCOPE AND DETAIL OF APPENDIX D TO PART 43 AND FOUND TO BE IN A CONDITION FOR SAFE OPERATION.

Michael J. Nigro A&P 3443131 w/o 41944

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD, ENGLEWOOD, COLORADO 80112 (303) 799-8386

N453HC Lycoming O-360-EXP S/N: L-50582-00 Total Time: Unknown

09 February 2022 Tach Time: 871.8 SMOH: 871.8

Performed Condition Inspection this date using a General Inspection Form that contains the scope and detail of appendix D to Part 43 as a guide. Compression test: #1) 78/80, #2) 75/80, #3) 76/80, #4) 79/80. Changed engine oil and filter using (Phillips X/C 20W-50). Cut oil filter open and inspected, no contaminants noted. Cleaned, gapped, tested, and rotated spark plugs. Checked and adjusted magnetos to engine. Leak checked fuel system. Inspected cabin heat and carb heat shrouds for condition and security. Inspected and pressure tested exhaust system. Cleaned, inspected and reinstalled induction air filter. Inspected and lubricated throttle, mixture and carburetor heat controls. Post inspection engine ground run-up and, operational check and leak check good. AD's checked through Biweekly 2022-03. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED ON IN ACCORDANCE WITH THE SCOPE AND DETAIL OF APPENDIX D TO PART 43 AND FOUND TO BE IN A CONDITION FOR SAFE OPERATION.

Michael J. Nigro A&P 3443131 w/o 43064

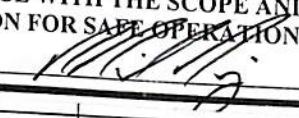
ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD, ENGLEWOOD, COLORADO 80112 (303) 799-8386

N453HC Lycoming O-360-EXP S/N: L-50582-00 Total Time: Unknown

24 February 2018 Tach Time: 682.8 SMOH: 682.8

Performed Condition Inspection this date using a General Inspection Form that contains the scope and detail of appendix D to Part 43 as a guide. Compression test: #1) 79/80, #2) 78/80, #3) 78/80, #4) 79/80. Changed engine oil and filter using (Phillips X/C 20W-50). Cut oil filter open and inspected, no contaminants noted. Cleaned, gapped, tested, and rotated spark plugs. Cleaned, inspected magnetos. Leak checked fuel system. Inspected cabin heat and carb heat shrouds for condition and security. Inspected and pressure tested exhaust system. Cleaned, inspected and reinstalled induction air filter. Inspected and lubricated throttle, mixture and carburetor heat controls. Fabricated new tail pipe cross bracket and installed. Post inspection engine ground run-up an, operational check and leak check good. AD's checked through Biweekly 2018-04. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED ON IN ACCORDANCE WITH THE SCOPE AND DETAIL OF APPENDIX D TO PART 43 AND FOUND TO BE IN A CONDITION FOR SAFE OPERATION.


 Michael J. Nigro A&P 3443131 w/o 38788
INSPECTION & MAINTENANCE RECORD

DATE

TOTAL TIME

INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.

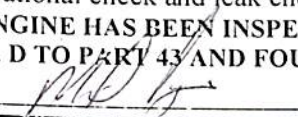
ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD, ENGLEWOOD, COLORADO 80112 (303) 799-8386

N453HC Lycoming O-360-EXP S/N: L-50582-00 Total Time: Unknown

09 February 2019 Tach Time: 742.0 SMOH: 742.0

Performed Condition Inspection this date using a General Inspection Form that contains the scope and detail of appendix D to Part 43 as a guide. Compression test: #1) 75/80, #2) 73/80, #3) 77/80, #4) 75/80. Changed engine oil and filter using (Phillips X/C 20W-50). Cut oil filter open and inspected, no contaminants noted. Cleaned, gapped, tested, and rotated spark plugs. Removed carburetor, cleaned check valve and plunger assembly for accelerator pump, reinstalled carburetor. Completed sheet metal repair to crack on left side cowl. Leak checked fuel system. Inspected cabin heat and carb heat shrouds for condition and security. Inspected and pressure tested exhaust system. Cleaned, inspected and reinstalled induction air filter. Inspected and lubricated throttle, mixture and carburetor heat controls. Post inspection engine ground run-up an, operational check and leak check good. AD's checked through Biweekly 2019-02. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED ON IN ACCORDANCE WITH THE SCOPE AND DETAIL OF APPENDIX D TO PART 43 AND FOUND TO BE IN A CONDITION FOR SAFE OPERATION.


 Michael J. Nigro A&P 3443131 w/o 39851

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
------	------------	---

ARAPAHOE AERO
 12760 EAST CONTROL TOWER ROAD, ENGLEWOOD, COLORADO 80112 (303) 799-8386
 N453HC Lycoming O-360-EXP S/N: L-50582-00 Total Time: Unknown
 2 March 2015 Tach Time: 543.2 SMOH: 543.2
 (Continued) (Page 2)

Inspected and lubricated throttle, mixture and carburetor heat controls. Adjusted mixture control cable for full stop-to-stop travel and proper cushion, operational check good. Post inspection engine ground run-up an, operational check and leak check good. AD's checked through Bi-weekly 2015-04. **I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED ON 2 MARCH 2015 IN ACCORDANCE WITH THE SCOPE AND DETAIL OF APPENDIX D TO PART 43 AND FOUND TO BE IN A CONDITION FOR SAFE OPERATION.**

Michael J. Nigro
 Michael J. Nigro A&P 3443131 w/o 35323

ARAPAHOE AERO
 12760 EAST CONTROL TOWER ROAD, ENGLEWOOD, COLORADO 80112 (303) 799-8386
 N453HC Lycoming O-360-EXP S/N: L-50582-00 Total Time: Unknown
 24 February 2016 Tach Time: 595.1 SMOH: 595.1

Performed Condition Inspection this date using a General Inspection Form that contains the scope and detail of appendix D to Part 43 as a guide. Compression test: #1) 78/80, #2) 78/80, #3) 79/80, #4) 78/80. Changed engine oil and filter using (Phillips X/C 20W-50). Cut oil filter open and inspected, no contaminates noted. Cleaned, gapped, tested, and rotated spark plugs. Cleaned, inspected magnetos. Leak checked fuel system. Inspected cooling baffles and seals for condition and security. Inspected cabin heat and carb heat shrouds for condition and security. Inspected and pressure tested exhaust system. Cleaned, inspected and reinstalled induction air filter. Inspected and lubricated throttle, mixture and carburetor heat controls.

(Page 1) (Continued)

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
------	------------	---

ARAPAHOE AERO
 12760 EAST CONTROL TOWER ROAD, ENGLEWOOD, COLORADO 80112 (303) 799-8386
 N453HC Lycoming O-360-EXP S/N: L-50582-00 Total Time: Unknown
 24 February 2016 Tach Time: 595.1 SMOH: 595.1
 (Continued) (Page 2)

Adjusted mixture control cable for full stop-to-stop travel and proper cushion, operational check good. Fabricated new tailpipe hanger for right tailpipe. Post inspection engine ground run-up an, operational check and leak check good. AD's checked through Bi-weekly 2016-05. **I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED ON IN ACCORDANCE WITH THE SCOPE AND DETAIL OF APPENDIX D TO PART 43 AND FOUND TO BE IN A CONDITION FOR SAFE OPERATION.**

Michael J. Nigro
 Michael J. Nigro A&P 3443131 w/o 36494

ARAPAHOE AERO
 12760 EAST CONTROL TOWER ROAD, ENGLEWOOD, COLORADO 80112 (303) 799-8386
 N453HC Lycoming O-360-EXP S/N: L-50582-00 Total Time: Unknown
 20 February 2017 Tach Time: 628.9 SMOH: 628.9

Performed Condition Inspection this date using a General Inspection Form that contains the scope and detail of appendix D to Part 43 as a guide. Compression test: #1) 78/80, #2) 78/80, #3) 79/80, #4) 79/80. Changed engine oil and filter using (Phillips X/C 20W-50). Cut oil filter open and inspected, no contaminates noted. Cleaned, gapped, tested, and rotated spark plugs. Cleaned, inspected magnetos. Leak checked fuel system. Inspected cooling baffles and seals for condition and security. Inspected cabin heat and carb heat shrouds for condition and security. Inspected and pressure tested exhaust system. Installed four new rocker box cover gaskets P/N: 75906. Cleaned, inspected and reinstalled induction air filter. Inspected and lubricated throttle, mixture and carburetor heat controls. Post inspection engine ground run-up an, operational check and leak check good. AD's checked through Biweekly 2017-02. **I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED ON IN ACCORDANCE WITH THE SCOPE AND DETAIL OF APPENDIX D TO PART 43 AND FOUND TO BE IN A CONDITION FOR SAFE OPERATION.**

Michael J. Nigro
 Michael J. Nigro A&P 3443131 w/o 37686

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
19 July 2013	Tach Time: 420.5	<p align="center">ARAPAHOE AERO</p> <p>12760 EAST CONTROL TOWER ROAD, ENGLEWOOD, COLORADO 80112 (303) 799-8386 N453HC Lycoming O-360-EXP S/N: L-50582-00 Total Time: Unknown</p> <p>Changed engine oil and filter using Phillips X/C 20W50. Cut oil filter open and inspected, no contaminants noted. Installed a new bolt, castle nut and cotter pin to secure the throttle linkage. Engine run up and leak check good.</p> <p><i>Thomas Edward Green</i> Thomas Edward Green A&P 3445718 w/o 33360</p>

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
21 February 2014	Tach Time: 459.0 SMOH: 459.0	<p align="center">ARAPAHOE AERO</p> <p>12760 EAST CONTROL TOWER ROAD, ENGLEWOOD, COLORADO 80112 (303) 799-8386 N453HC Lycoming O-360-EXP S/N: L-50582-00 Total Time: Unknown</p> <p>Performed Condition Inspection this date using a General Inspection Form that contains the scope and detail of appendix D to Part 43 as a guide. Compression test: #1) 75/80, #2) 75/80, #3) 75/80, #4) 76/80. Changed engine oil and filter using (Phillips X/C 20W-50). Cut oil filter open and inspected, no contaminants noted. Cleaned, gapped, tested, and rotated spark plugs. Inspected and cleaned carburetor fuel inlet screen. Leak checked fuel system. Inspected and pressure tested exhaust system. Cleaned, inspected and reinstalled induction air filter. Inspected and lubricated throttle, mixture and carburetor heat controls, operational check good. Post inspection engine ground run-up an, operational check and leak check good. AD's checked through Bi-weekly 2014-04. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED ON 21 FEBRUARY 2014 IN ACCORDANCE WITH THE SCOPE AND DETAIL OF APPENDIX D TO PART 43 AND FOUND TO BE IN A CONDITION FOR SAFE OPERATION.</p> <p><i>Michael J. Nigro</i> Michael J. Nigro A&P 3443131 w/o 34060</p>

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
18 August 2014	Tach Time: 515.6 SMOH: 515.6	<p align="center">ARAPAHOE AERO</p> <p>12760 EAST CONTROL TOWER ROAD, ENGLEWOOD, COLORADO 80112 (303) 799-8386 N453HC Lycoming O-360-EXP S/N: L-50582-00 Total Time: Unknown</p> <p>Changed engine oil and filter using (Phillips X/C 20W-50). Cut oil filter open and inspected, no contaminants noted. Post inspection engine ground run-up an, operational check and leak check good.</p> <p><i>Michael J. Nigro</i> Michael J. Nigro A&P 3443131 w/o 34702</p>

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
2 March 2015	Tach Time: 543.2 SMOH: 543.2	<p align="center">ARAPAHOE AERO</p> <p>12760 EAST CONTROL TOWER ROAD, ENGLEWOOD, COLORADO 80112 (303) 799-8386 N453HC Lycoming O-360-EXP S/N: L-50582-00 Total Time: Unknown</p> <p>Performed Condition Inspection this date using a General Inspection Form that contains the scope and detail of appendix D to Part 43 as a guide. Compression test: #1) 78/80, #2) 78/80, #3) 79/80, #4) 78/80. Changed engine oil and filter using (Phillips X/C 20W-50). Cut oil filter open and inspected, no contaminants noted. Cleaned, gapped, tested, and rotated spark plugs. Removed left and right Slick magnetos Model No. 4371, S/N: 00081356 and Model No. 4370, S/N: 00080337 respectively for 500 hour inspection. Cleaned, inspected magnetos and installed new breaker points P/N: M3081, carbon brushes P/N: K3215-25 and capacitors P/N: K3984. Assembled magnetos, set internal timing and torqued hardware. Reinstalled magnetos using new gaskets P/N: LW12681 and timed magnetos to engine. Next 500 hour inspection due at Tach Time: 1043.2. Leak checked fuel system. Inspected cooling baffles and seals for condition and security. Repositioned #1) cylinder cooling baffle and seal as needed for improved fit to upper cowling. Inspected cabin heat and carb heat shrouds for condition and security. Repositioned cabin heat SCAT air duct hose and applied anti-chafe material to prevent further chafing. Inspected and pressure tested exhaust system. Cleaned, inspected and reinstalled induction air filter.</p> <p align="right">(Page 1) (Continued)</p>

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
------	------------	---

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGEWOOD, COLORADO 80112 (303) 799-8386
N453HC Lycoming O-360-EXP S/N: L-50582-00 Total Time: Unknown
09 March 2012 Tach: 276.9
 Removed carburetor bowl. Removed accelerator pump system check valves. Flushed fuel galley in bowl body. Reassembled carburetor as needed. Ground run operational and leak checks satisfactory.
L. John Wells
L. John Wells A&P3221132

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGEWOOD, COLORADO 80112 (303) 799-8386
N453HC Lycoming O-360-EXP S/N: L-50582-00 Total Time: Unknown
12 June 2012 Tach:
 Disassembled carburetor. Burnish check valve bore as recommended. Installed new check valve (P/N: 36-587-F) with new gaskets. Ground run operational and leak checks satisfactory.
L. John Wells
L. John Wells A&P 3221132 w/o 31949

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
------	------------	---

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGEWOOD, COLORADO 80112 (303) 799-8386
N453HC Lycoming O-360-EXP S/N: L-50582-00 Total Time: Unknown
16 August 2012 Tach: 324.7
 Changed engine oil (**PHIL X/C 20W50**) and filter. Cut oil filter open and inspected for foreign material - none found. Ground run operational and leak checks satisfactory.
Randy J. Knox, Jr.
Randy J. Knox, Jr. A&P 3227973 w/o 32267

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD, ENGLEWOOD, COLORADO 80112 (303) 799-8386
N453HC Lycoming O-360-EXP S/N: L-50582-00 Total Time: Unknown
20 February 2013 Tach Time: 375.0
Performed Condition Inspection this date using a General Inspection Form that contains the scope and detail of appendix D to Part 43 as a guide. Compression test: #1) 78/80, #2) 79/80, #3) 79/80, #4) 78/80. Changed engine oil and filter using (**Phillips X/C 20W-50**). Cut oil filter open and inspected, no contaminants noted. Cleaned, gapped, tested, and rotated spark plugs. Installed new magneto gaskets on left and right magnetos using new gaskets P/N: LW12681 and timed magnetos to engine. Applied anti-chafe material to alternator wire to prevent further chafing on #4) cooling baffle. Installed (1) new firewall pass-through grommet and sealed using high temperature RTV sealant. Inspected and cleaned carburetor fuel inlet screen. Fabricated and installed new tail pipe support bracket. Inspected and pressure tested exhaust system. Cleaned, inspected and reinstalled induction air filter. Inspected and lubricated throttle, mixture and carburetor heat controls. Post inspection engine ground run-up an, operational check and leak check good. AD's checked through Bi-weekly 2013-03. **I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED ON 20 FEBURARY 2013 IN ACCORDANCE WITH THE SCOPE AND DETAIL OF APPENDIX D TO PART 43 AND FOUND TO BE IN A CONDITION FOR SAFE OPERATION.**
Michael J. Nigro
Michael J. Nigro A&P 3443131 w/o 32832

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
12/14/2009		I certify that I have inspected this engine in accordance with a condition inspection per part 43, appendix D and have found it to be in airworthy condition. Daniel R Marshall #3068835
11/10/10	15/2	Oil, oil filter & air filter changed
1/3/2011	155.3	I CERTIFY THAT I HAVE INSPECTED THIS ENGINE IN ACCORDANCE WITH A CONDITION INSPECTION PER PART 43 APPENDIX D AND HAVE FOUND IT TO BE IN AIRWORTHY CONDITION. Daniel R. Marshall REPAIRMAN'S CERT # 3068835 END
		COMPRESSION CHECK: #1 - 76/80 #2 - 77/80 #3 - 79/80 #4 - 78/80

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
FEB 11/2011		PULLED CYLINDER #3 TO CHECK FOR CAM & LIFTER CORROSION. NONE FOUND. Daniel R Marshall RC # 3068835

ARAPAHOE AERO
12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
N453HC Lycoming O-360 Series Engine Log Entry

23 March 2011 Tach: 176.2
Changed engine oil and filter (Phillips 20W50 X/C). Cut oil filter open and inspected, no contaminants noted. Replaced bolt in right hand tail pipe support. Fabricated new support for left hand tail pipe and attached support across engine to right support. Removed carb heat air box for weld repair. Reinstalled repaired air box and safetied. Verified cabin heat from cockpit, open and close. Post inspection engine ground run-up, operational and leakage check good.

Scott L. Utz
Scott L. Utz A&P 3442269 w/o 30386

ARAPAHOE AERO
12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
N453HC Lycoming O-360 Series Engine Log Entry

18 August 2011 Tach: 226.8
Changed engine oil and filter (Phillips 20W50 X/C). Cut oil filter open and inspected, no contaminants noted. Replaced three rocker cover gaskets. Sealed and tightened dipstick tube. Stop-drilled crack in #3 baffle by oil cooler. Post inspection engine ground run-up, operational and leakage check good.

Michael J. Nigro
Michael J. Nigro A&P 3443131 w/o 30958

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
12/15/00		

LYCOMING O-360-EXP S/N L-50582-00 MAJOR ENGINE OVERHAUL, WITH CONICAL MOUNT AND CRANKSHAFT DOWELS LIKE THE -C4P: THE FOLLOWING PARTS INSTALLED: 1EA SL75439-1 MOH GASKET SET, 1EA LW-11997 NOSE SEAL, 2EA LW-13884 BEARING, 4EA LW-16711 BEARING, 1EA 61084 SPRING, 1EA 1028-B BALL, 8EA 72877R TAPPETS, 1EA AEL11754 CAMSHAFT, 1EA 13B27120 STD CRANKSHAFT, 1EA 13S19646RC GEAR, 1EA SL-STD-2213 SCREW, 1EA STD-2168 NUT, 3EA LW-31H0.88 BOLT, 1EA STD-2231 RING, 1EA 53E22144 VERNATHERM, 8EA LW-13521 BEARING, 8EA 75061 BOLT, 8EA LW-12186 NUT, 4EA STD-1821 HOSE, 8EA LW-15592-5-05 CLAMP, 8EA REM38E SPARK PLUG, 4EA 69603 HOSE, 8EA LW-15592-8-28 CLAMP, 1EA AEL76121 TACH SHAFT, 1EA 61163 GEAR, 1EA 4371 MAGNETO S/N 00081356, 1EA 4370 MAGNETO S/N 00080337, 1EA M4001 HARNESS, 1EA 629104 RING, 1EA 61665 GEAR, 8EA SL74637 BUSHING, 4EA 05K21104 NEW CYLINDER KIT, 4EA 862 NFS PISTON, 1EA 149-12PM STARTER, 4EA SL13444-1 PISTON PIN, 8EA SL12892 BUTTON, 5EA 15F19957-36 PUSH ROD, 24EA STD-1925 SCREW, 3EA SL-STD-1410 NUT, 2EA STD-551 PLUG, 8EA LW25-1.25 BOLT, 1EA 10-4164-1 CARBURETOR S/N 75103814. PORT POLISH AND FLOW BALANCE CYLINDERS. ENGINE TEST RUN 1 1/2 HRS. COMPLIED WITH PERTINENT A.D.'S AND S.B.'S. ALL INFORMATION IS ON FILE AT LY-CON REBUILDING CO. REFERENCE TO W.O. 50582
 12/15/2000

FOR USE IN EXPERIMENTAL AIRCRAFT ONLY