

ENGINE DESCRIPTION

Mfr. <i>Cost.</i>	Place	Date	
Type	Model <i>F0-520-D</i>	Serial No. <i>168219-7-8</i>	
Rated H. P.	Maximum H. P.	Weight (Dry)	
Rated R. P. M.	Maximum R. P. M.	Oil Pressure	
Bore	Stroke	Displacement	Cu. In.
Compression Ratio	Supercharger Ratio	Gear Ratio	
Propeller <i>McCawley</i>	Hub Design <i>O2A34C-58-NO</i>	Hub Serial No. <i>739110</i>	
Blade Design	Blade Serial	Blade Serial	Blade Serial
Maximum Hub H. P.	Maximum Blade H. P.		
Pitch	Diameter	Length	
Owner's Name <i>WAYNE E. GIBSON</i>			
Address <i>1610 Southern Ave</i> City <i>FAIRBANKS</i> State <i>ALASKA</i>			

DATE	DURATION	ACCUMULATED TOTAL TIME	
		HOURS	10THS
<i>9/18/90</i>			
<i>Tach</i>	<i>2155</i>	<i>59</i>	
	<i>Compressor</i>		
<i>1)</i>	<i>70/80</i>		
<i>2)</i>	<i>74/80</i>		
<i>3)</i>	<i>74/80</i>		
<i>4)</i>	<i>75/80</i>		
<i>5)</i>	<i>72/80</i>		
<i>6)</i>	<i>70/80</i>		

Previous log
Change
airfilter
test
improv
attach
nuts,
grip
troubled
prop
VH 80
press
AD 8
impul
Exp

CARRY ACCUMUL

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19						
219-7-7				Previous log books found - Engine total time unknown		1320.0
9/18/90	Tach 2155	54		Changed oil and shell 15W50, installed bracket air filter again BA8110 See 337 this date. Lubricated & installed missing oil cooler baffles. Replaced improper fuel lines. Installed correct air box attachment bolts & gaskets. Replaced missing air box rivets, rebrushed inlet & mixture valves. Re-wired aux fuel pump & installed throttle servo. Suggested insulated exhaust pipe wires. Replaced main fuel pump screen. Replaced heat shield ducts. Revised LH Exhaust collector. CWAD 79-05-09 oil pressure relief valve checked OK. CWAD 77-05-04, CWAD 81-24-06 visual inspect, CWAD 74-18-05 replaced impulse couplings LH & RH. I certify that this engine & prop have been inspected in accordance		
Cu. In.	Compression					
1)	70/80					
2)	74/80					
3)	74/80					
4)	75/80					
5)	72/80					
6)	73/80					

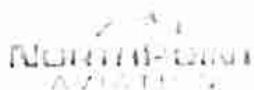
CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

LICENSE NUMBER

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19				Change Air Filter check Oil/Screw Fuel Service Test Run OK Check AE		
	10/5/92			TACH TIME 2249.0 TOTAL TIME 1414.0 1414.0 COMPRESSION TEST #1 80/70 #4 80/68 #2 80/72 #5 80/70 #3 80/74 #5 80/72 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. <u>Don L. Hester 579322014161</u>		
	4/15/94			Removal from N25452 TACH 2258.0 Eng time 1423.0 TI (STOH 448.0)		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE



16284 Airport Road
Brainerd MN 56401
(218) 829-3398

Date: 5/27/2022, Aircraft: N2724J, Type Cessna A185E, S/N 1851474, Tach 5592 26;
Total Time 5592 26, Engine - Type IO-520-D, S/N 168219-7-D, Time 1528 00, SMOH:
553.00

Shop Order # SO-22-1969

1. Completed Annual Inspection IAW NorthPoint Aviation 100 Hour / Annual Inspection Checklist, Cessna 185 Service Manual, Continental Engine Service Manual, McCauley Propeller Service Manual, Wipaire 3730 Service Manual, & 14 CFR 91 Appendix D.
2. Drained oil. Removed and inspected oil screen. Large amounts of debris found. Rinsed inside of engine with quart of engine oil to wash down contaminants. Installed new Stratus oil filter adapter Model C6LC-S & new oil filter P/N AA48108-2. Serviced with 11 quarts AS15W50. Engine run up satisfactory. Completed FAA Form 337 for installation of STC SE09356SC. Follow instructions for Continued Airworthiness for periodic maintenance requirements.
3. Performed engine compression test. Cylinder #1 - 18/80, #2 - 72/80, #3 - 73/80, #4 - 76/80, #5 - 72/80, #6 - 74/80. Removed cylinder #1. Found piston rings stuck in piston ring slots due to carbon buildup. Installed overhauled piston, rings, & cylinder assembly. Engine run up satisfactory. New Compression for Cylinder # 1 75/80. Replaced oil filter with new AA48108-2 after run up of engine due to cylinder scoring issue and cylinder replacement.
4. Removed exhaust muffler and exhaust stacks. Drilled out and tapped 2 broken exhaust stud holes. Replaced 9 total exhaust studs. Installed new muffler and shroud assy with new locknuts and exhaust gaskets.
5. Removed magneto's P/N 662 S/N's 1120189-R & 1120188-R magneto harness, & spark plugs. Installed upgraded magneto's P/N 6310 S/N's 18060217 & 18060218, new magneto harness, & all new Spark plugs P/N RHB-32E. Timed engine to 21 Deg BTDC. Engine run up satisfactory. No leaks noted.
6. Removed all 6 clogged factory fuel injectors P/N 627335D13C. Installed GAM injectors kit STC SE09217SC P/N GAD13C S/N 30409 IAW GAM injectors Installation procedure No IP-96-001. No change in weight and balance. Operational check and leak check satisfactory. Completed FAA Form 337.
7. Repaired and secured hose clamps, lines, baffling screws, & other small issues on engine.
8. Installed new Vacuum system garter filter P/N ARB-3-5-1. Installed new Engine air filter P/N BA8103.
9. Removed Skytec starter P/N and installed C12ST5 S/N 2C5-141506. Installed Hartzell starter P/N 646238-2 S/N H-W041803. Engine operational check satisfactory.

The aircraft, airframe, aircraft engine, propeller, or appliance identified above was inspected IAW an Annual / 100 Hour inspection and is approved for return to service. Pertinent details of the repair are on file at this facility under the shop order above.

Name: William Smith Signature: [Signature]

NorthPoint Aviation C R S 6DVR982C

LICENSE
NUMBER

DATE

19



16384 Airport Road
Brainerd, MN 56401
(218) 829-3398

Date: 5/26/2023; Aircraft: N2724J; Type: Cessna A185E; S/N: 1851474; Tach. 5609.12; Total Time: 5609.12; Engine - Type: IO-520-D,
S/N: 168219-7-D, Time: 1544.86, SMOH: 569.86

Shop Order #: SO-23-2354

1. Completed 100 Hour / Annual inspection IAW NorthPoint 100 Hour / Annual Inspection Checklist, Cessna A185F Service Manual, Continental Engine Service Manual, McCauley Propeller Service Manual, & 14 CFR 91 App D.
2. Drained engine oil. Removed, cut & inspected oil filter. No issues noted. Installed new oil filter P/N AA48108-2. Serviced with 11 quarts of AS15w50 engine oil. Engine run up satisfactory.
3. Performed engine cylinder compression test. Results as follows: #1 - /80, #2 - /80 #3 - /80 #4 - /80, #5 - /80, #6 - /80
4. Installed new adell clamps as needed on lines. Installed zipties to secure loose wiring. Applied RTV sealant to prevent chafing issues.
5. Installed new hardware on throttle linkage to prevent chafing into induction tubing.
6. Removed failed pump P/N 638154-1R S/N 2216RA. Installed overhauled fuel pump P/N 646212-45A3 S/N B17LA043R. Performed engine adjustments. Operational check satisfactory. No leaks noted.

The aircraft, airframe, aircraft engine, propeller, or appliance identified above was inspected IAW an 100 Hour Inspection and is approved for return to service. Pertinent details of the repair are on file at this facility under the shop order above.

Name: William Smith Signature: [Signature]
NorthPoint Aviation C.R.S 6DVR982C

LICENSE
NUMBER