## ENGINE DESCRIPTION Place Model I0-520-D

Maximum H. P.

Stroke

Blade Serial

WAYNE E. GUBSON

Southern

Maximum R. P. M.

Diameter

AVE

Supercharger Ratio

Maximum Blade H. P.

Date Serial No. 168219-7-8

Cu. In.

DURATION

DATE

Compressur

ACCUMULATED

TOTAL TIME

HOURS IDTHS

Quino LH ON

aves

AD 8

CARRY ACCUMUL

Propeller M Cauly

Mfgr.

Type

Bore

Pitch

Rated H. P.

Rated R. P. M.

Blade Design

Owner's Name

1610

Address

Compression Ratio

Maximum Hub H. P.

ont.

Blade Serial

Hub Design 02434(-58-10 Hub Serial No. 7.39110

City FAIRBANKS

Weight (Dry)

Oil Pressure Displacement

Gear Ratio

Blade Serial

State ALITSKA

Length

ENGINE LOG LICENSE ACCUMULATED DATE SIGNATURE TOTAL TIME Date DURATION REPAIRS --- ADJUSTMENTS NUMBER HOURS TOTHS 320,0 1219-7-1 Cu. In. menessu Serial CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE tate ALASKA

## ENGINE LOG

DATE	DURATIO	N TOTA	ULATED L TIME	REPAIRS ADJUSTMENTS	SIGNATURE	LICENSE
19		HOUR	5 Ютнѕ			NOMBER
				with an anual inspection	and was	
				determinal to be in by au	wat & conditi	3
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CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

LOG ENGINE LICENSE NUMBER DATE LICENSE DURATION W/O # 15108/15025 S/N: 168219-7-F SNATURE 10-520-D NUMBER CONTINENTAL TACH: 2209 DATE: 09/18/1991 I cartify that this engine has been inspected in accordance with an ANNUAL INSPECTION per JET 4IF, INC. force. Brained oil, resoved oil screen and inspected - no detail noted, installed oil screen and serviced engine with 12 qts 15W/50 Aeroshell oil. Checked engine mounts an cradle. Checked electrical system and harmesses. Checked lines, tubing, and hoses. Checked and set timing. Checked induction and exhaust systems. Pressure tested auffler and exhaust system, no leaks noted. Checked engine accessories. Cleaned and inspected fuel filter and bowl. Removed all spark plugs, cleaned, gapped, tested and re-installed. Checked engine cowling. Lubricated engine controls. A.D. 87-23-08 crankshaft fatigue inspection due at engine overhaul or crankshaft removal. C/W A.D. 76-87-12 by functional testing ignition switch, found to operate normal, next test due tach: 2308. A.D. 84-26-82 induction air filter (BRACKETT) change due at tach: 2355. A.D. 74-18-05 Slick magneto impulse coupling change due tach: 2655. C/W A.D. 86-13-04R3 by visual inspection of all cylinder assemblies Nor separation, all found to be serviceable. C/W A.D. 81-24-86 by visual inspection of fuel pump for leakage, none noted, next inspection due TACH: 2308. Compression test done cold as follows, \$1 #68/80, #2 76/80, #3 76/80, #4 76/80, #5 73/80, #6 75/80. Engine run-up complied with, no leaks noted. And have found this engine to be in an airworthy condition as of this date. N.A. because of replacement of both couplings in 1980 Page 1 of 2 Tach 2155 3E

## ENGINE LOG

DATE	DURATION	Il certify this <u>ENGINE</u> has been inspected in accordance with an <u>ANNUAC</u> inspection		LICENSE NUMBER
		in accordance with an accordance with a condition as of this date  Signed  Date  Trach  JET AIR. INC.  FRAA Certified Repair Station CRS #JAFR110F  (Galesburg, Illinois 61401		
			Page 2 of 2	

	- 1110 E		ENGINE LOG	LICENSE
DATE		ACCUMULATED TOTAL TIME		SIGNATURE NUMBER
LICENSE NUMBER 19	DURATION	HOURS IOTHS	Chase Air Filter check Oils	heck A:
	10/5/82		TACH TIME 2249.0 TOTAL TIME CHARGE 1414	1.0
			#1 80/70 #4 80/70	
			F3 E0774  F3 E0774  F5 E0777  F5 E07	
			Den Petres 57432201411	
	1/15/94	1	Removed from 125452 Tong times	HCH 22.58.0 1423.0 TT (STOH 448.0)
		(	CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NE	EXT PAGE

Page 2 of 2

DATE	DURATIO	N ACCUML TOTAL HOURS	TIME	REPAIRS ADJUSTMENTS	SIGNATURE	LICENSE NUMBER	DATE	DURA
19 14/01/0	Tac	h 5490	)	Engine installed in Cessna 1185E N2726 448 STOH. All injectors + injection control value of mounts 16545-1. Plugguere cleaned and gapped	scheen were cleans	The Call A	19	
		Cylind To one	1. 7	Mounts 16645-1- Plugivere Cleane and gopped of or hetter No ADI due at This Time. Timing is Political Time, Timing is a property of Tobe in an airwarthy condition. Budell 91- Engage	in accordance withe	PESET.		
04-21 a	o co	ich Se utify	140 Chu	the engine has deen duspected Prejection, and was deformined		eà(		
	r cil		ares	F Orfore IH 1942026				

					ENGINE LOG		LICENSE
IGNATURE	LICENSE NUMBER	DATE	DURATION	TOTAL TIME	REPAIRS ADJUSTMENTS	SIGNATURE	NUMBER
engine TT 14  were cleaned  ession CK al  session C	I Installed  I spect of the spection  Cock (			8-25-18 N272 1518.2 Perford Appx (D) and 78/80, #3 79/8 screen. Added removed, clea 500 hr impuls AD's through an Annual ins Ron Sieling	AEROMOTOR 218-587-5000  4J Tach:5585.2 A/C TT 5585.2 543.2 STOH Engine TT med an Annual/100 hr engine inspection I/A/W FAR Part 43 Continental Inspection Checklist. Compressions #1 60/80. #60. #4 79/80, #5 78/80. #6 79/80. Drained oil and checked oil 10 quarts of Aeroshell 15W50 oil. Spark plugs were need and reinstalled. Inspected all engine controls and cables. see coupling inspection due @ 1820 hrs. engine TT. Checked at 2018-17. I certify that this engine has been inspected I/A/Spection and was determined to be in an airworthy condition. A&P 3682463	all W	
				CAR	RY ACCUMULATED TOTAL TIME FORWARD TO TOP OF I		

DATE	DURATION		IME	REPAIRS ADJUSTMENTS	SIGNATURE	LICENSE
19	1	HOURS				NUMBER
a			1			
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		<del>                                     </del>			-	
		+		PINE RIVER AEROMOTOR 218-587-5000		
ā-		+		4-6-21 N2724J Tach:5588.0 A/C TT 5585.36 546.0 STOH Engine 1521.0 Performed an Annual/100 hr engine inspection I/A/W FAR Pa		<u> </u>
				Appx (D) and Continental Inspection Checklist. Compressions #1 64	/80. #2	
				76/80, #3 75/80, #4 75/80, #5 76/80, #6 75/80, 1. Spark plugs were re cleaned and reinstalled. Inspected all engine controls and cables, 500		
			A	impulse coupling inspection due @ 1820 hrs. engine TT. Inspected pe	ropeller	
			#	for nicks, security, operation, no defects noted. Checked all AD's the 2021-07. I certify that this engine has been inspected I/A/W an An	_	
		<del>- \</del>	$-\!\!\!/$	inspection and was determined to be in An airworths condition.		
	•		_//	Ron Sieling A&PIA 3682463		<b>†</b>
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				CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF	NEXT PAGE	

ENGINE

LOG

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MULTITUTE 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

- 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. Competed 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.
- 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 GAMInjectors kit STC SE09217SC P/N GAD13C S/N 30409 IAW GAMIjectors Installation procedure No IP-96-001. No change in vieight 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.
- Installed new Vacuum system garter filter P/N ARB-3-5-1. Installed new Engine air filter P/N BA8103.
- 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: Ullian, Jin Signature WWW.
NorthPoint Aviation C R S 6DVR982C

LICENSE	DATE	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	LICENSE
NorthPoint Aviation C.R. S. 6DVR982C		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. Annual 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 A48108-2. 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 #5 - /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: /// Annual Inspection   Annual Inspection	