Volume #: 1

Opened on: 12 OCT 2016

# **ENGINE DETAILS**

- 1. Manufacturer \_\_\_\_\_ Pratt & Whitney Canada Corp.
- 3. Serial Number \_\_\_\_\_ PS-\_\_\_ RY 0 74-3

Section 1: Record of engine maintenance and elementary work

Date/	Time since new	Time since overhaul	Total cycles	Details of task
1 2 OCT 2016	0.0	NIA	0	New engine final acceptance test completed satisfactorily and is in condition for safe operation.
2 1 MAR 2017	0.0	N/A	0	NEW ENGINE PT6A-67P  S/N PCE-RY0743  INSTALLED IN PILATUS  PC-12/47E AIRCRAFT  WITH MSN 1698

	Signature	AME ACA/AMO SCA/AMO
This Power Section module is combined with Gas		
Generator. S/N: PCERYO 7-4-3		
NG/ $\sqrt{\Theta}$ $35600$ RPM, at $2200$ SHP $\sqrt{\delta}\sqrt{\Theta}$		
— ITT Trim: <u>23.2</u> ° ——		
T5 Trim resistance: 48.7 Ohms	N BUNDON	
	(401)	T.C 4-58 NO . 062
		THE-
GROUND RUN COMPLETED	QUALITY IN	
SATISFACTORILY.	PILATUS AIR CH-6370 STANS	
ENGINE OIL USED: Eastmann Turbo Oil 2380	K. Gubser	PROD. ORGANISATI CH.21G.0002
	1. Hules	P <sub>II</sub> )
Power Section		
N698NG	Hobbs Time: 1	
Model: PT6A-67P S/N: PS-RY0743 Date: 14 March 2018	Total Time: 1 Cycles: 7 Work Order: S	7
Complied with an Annual Inspection using Pilatus PC-12/47E AMM 05-20-20 Annual Inspection for		
inspection requirements of FAR 43 Appendix D. Performed engine compressor performance recovery and turbine wash per Pilatus PC-12/47E AN EMM 71-00-00.	//M 71-00-00 and P&WC PT6A-67B/	P
Complied with 500 hour/12 month torque limiter test and performance test and adjusted to limits proceed with 200 hour inspection and cleaning of P3 air filter in accordance with P&WC PT6A-6 Complied with 400 hour ignition exciter, cable & igniter inspection & operational check per P&WC	7B/P EMM 73-10-07.	
Complied with 600 hour/12 month reduction & accessory gearbox chip detectors inspections in ac 79-30-01 and P&WC PT6A-67B/P EMM 72-00-00.		
Complied with 150hr chip detector continuity test per P&WC PT6A-67B/P EMM 72-00-00.  Complied with 150 hour oil filter cleaning and inspection in accordance with P&WC PT6A-67B/P I Took engine oil and filter patch samples and sent them out for analysis.  Accomplished all required operational and functional checks with satisfactory results. Ground per		<del>)</del>
I certify that this Engine has been inspected in accordance with an Annual inspection and is deter		n
Pertinent details are on file inner the above work order.  Signed Olathe KS 66062 (913) 782-0530 FAA Re	epair Station #AMYR171C	

# Section 1: Record of engine maintenance and elementary work

-//	Time since new	Time since overhaul	Total cycles	Details of task
	Power Section			
	N698NG		- Andrews	Hobbs Time: 204.6
Model:	PT6A-67P		KCAC	Total Time: 204.6  Cycles: 244
	PS-RY0743 26 July 2018		-Aviation-	Work Order: S-18-00244
		n using Bilatus BC 42/	47E AMM 05 20 10 100h- l-an	ection form as a guide to comply with the
inspection	requirements of FAR 43	Appendix D.		
Performed EMM 71-0		ormance recovery and	turbine wash per Pilatus PC-12	2/47E AMM 71-00-00 and P&WC PT6A-67B/P
Complied	with 200 hour inspection		filter in accordance with P&WC	
				er P&WC PT6A-67B/P EMM 74-10-00 & 74-20-00.  Hance with Pilatus PC-12/47E AMM 79-30-01 and
	6A-67B/P EMM 72-00-00 with 150hr chip detector (		C PT6A-67B/P EMM 72-00-00	
Complied	with 150 hour oil filter clea	aning and inspection in	accordance with P&WC PT6A	
	ne oil and filter patch sam orque limiter to within limi		t for analysis. Pilatus PC-12/47E AMM 71-00-	00.
Adjusted n	nax reverse Np to within	imits in accordance wit	h Pilatus PC-12/47E AMM 71-	00-00.
			accordance with Pilatus PC-12 ks with satisfactory results. Gro	pund performance run good, no leaks noted.
- Loertify the	at this fingine has been in	aspected in accordance	with a 100 hour inspection an	d is determined to be in an airworthy condition.
Pertinent of	leta/s are on (il unde th	e above work order.	a ree now mopeonor an	and the same of th
Signed	XA Nexs	Olathe K	(S 66062 (913) 782-0530	FAA Repair Station #AMYR171C
		1		
_	Power Section			
N	698NG	-	No or Price Street	Hobbs Time: 333.0
Model: P	T6A-67P		KCAC	Total Time: 333.0
	S-RY0743 5 October 2018		-Aviation-	Cycles: 365 Work Order: S-18-00335
			E AMM 05-20-10 100hr Inspec	tion form as a guide to comply with the
inspection re Performed et EMM 71-00-( Complied wit Complied wit Rocky Mount Complied wit Complied wit Took engine Installed 2 ee Adjusted gro Adjusted torc Accomplishe	quirements of FAR 43 Aprigine compressor perform.  10 400 hour borescope instantial to the services CR at the services CR at the services CR to the services CR at th	spendix D. nance recovery and turn spection of engine hot side cleaning of P3 air filte and manifold flow check S% 1B6R708C on work or, cable & igniter inspe- ing and inspection in air es and sent them out fo 155 in accordance with M to within limits in acc with Pilatus PC-12/47E and functional checks spected in accordance we above work order.	section components in accordate in accordance with P&WC P k, replaced fuel nozzles with instance order# R003390. Work perforation & operational check per F coordance with P&WC PT6A-6 or analysis. Pilatus PC-12/47E AMM 74-20 cordance Pilatus PC-12/47E A £ AMM 71-00-00. with satisfactory results. Groundth a 100 hour inspection and in the section of the perforance in the satisfactory results.	TE AMM 71-00-00 and P&WC PT6A-67B/P  Ince with P&WC PT6A-67B/P EMM 72-00-00. T6A-67B/P EMM 73-10-07. Spected and functionally tested nozzles by med per P&WC PT6A-67B/P EMM 73-11-05. P&WC PT6A-67B/P EMM 74-10-00 & 74-20-00. 77B/P EMM 79-20-00.
inspection re Performed et EMM 71-00-0 Complied wit Complied wit Complied wit Rocky Mount Complied wit Took engine Installed 2 ea Adjusted gro Adjusted tord Accomplishe I certify that t Pertinent det	quirements of FAR 43 Apagine compressor perform 100. h 400 hour borescope ins h 200 hour inspection and h 400 hour fuel nozzles attain Turbine Services CR h 400 hour ignition excite h 150 hour oil filter clean oil and filter patch sample a new igniters PN CH346 und idle and flight idle Rique limiter in accordance d all required operational this Engine has been insetting.	spendix D. nance recovery and turn spection of engine hot side cleaning of P3 air filte and manifold flow check S% 1B6R708C on work or, cable & igniter inspe- ing and inspection in air es and sent them out fo 155 in accordance with M to within limits in acc with Pilatus PC-12/47E and functional checks spected in accordance we above work order.	section components in accordate in accordance with P&WC P k, replaced fuel nozzles with instance order# R003390. Work perforation & operational check per F coordance with P&WC PT6A-6 or analysis. Pilatus PC-12/47E AMM 74-20 cordance Pilatus PC-12/47E A £ AMM 71-00-00. with satisfactory results. Groundth a 100 hour inspection and in the section of the perforance in the satisfactory results.	ATE AMM 71-00-00 and P&WC PT6A-67B/P  since with P&WC PT6A-67B/P EMM 72-00-00.  T6A-67B/P EMM 73-10-07.  spected and functionally tested nozzles by med per P&WC PT6A-67B/P EMM 73-11-05.  P&WC PT6A-67B/P EMM 74-10-00 & 74-20-00.  7B/P EMM 79-20-00.  D-00  MM 71-00-00  and performance run good, no leaks noted.  s determined to be in an airworthy condition.
inspection re Performed et EMM 71-00-0 Complied wit Complied wit Complied wit Rocky Mount Complied wit Took engine Installed 2 ea Adjusted gro Adjusted tord Accomplishe I certify that t Pertinent det	quirements of FAR 43 Apagine compressor perform 100. h 400 hour borescope ins h 200 hour inspection and h 400 hour fuel nozzles attain Turbine Services CR h 400 hour ignition excite h 150 hour oil filter clean oil and filter patch sample a new igniters PN CH346 und idle and flight idle Rique limiter in accordance d all required operational this Engine has been insetting.	spendix D. nance recovery and turn spection of engine hot side cleaning of P3 air filte and manifold flow check S% 1B6R708C on work or, cable & igniter inspe- ing and inspection in air es and sent them out fo 155 in accordance with M to within limits in acc with Pilatus PC-12/47E and functional checks spected in accordance we above work order.	section components in accordate in accordance with P&WC P k, replaced fuel nozzles with instance order# R003390. Work perforation & operational check per F coordance with P&WC PT6A-6 or analysis. Pilatus PC-12/47E AMM 74-20 cordance Pilatus PC-12/47E A £ AMM 71-00-00. with satisfactory results. Groundth a 100 hour inspection and in the section of the perforance in the satisfactory results.	ATE AMM 71-00-00 and P&WC PT6A-67B/P  since with P&WC PT6A-67B/P EMM 72-00-00.  T6A-67B/P EMM 73-10-07.  spected and functionally tested nozzles by med per P&WC PT6A-67B/P EMM 73-11-05.  P&WC PT6A-67B/P EMM 74-10-00 & 74-20-00.  7B/P EMM 79-20-00.  D-00  MM 71-00-00  and performance run good, no leaks noted.  s determined to be in an airworthy condition.
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inspection re Performed et EMM 71-00-0 Complied wit Complied wit Complied wit Rocky Mount Complied wit Took engine Installed 2 ea Adjusted gro Adjusted tord Accomplishe I certify that t Pertinent det	quirements of FAR 43 Apagine compressor perform 100. h 400 hour borescope ins h 200 hour inspection and h 400 hour fuel nozzles attain Turbine Services CR h 400 hour ignition excite h 150 hour oil filter clean oil and filter patch sample a new igniters PN CH346 und idle and flight idle Rique limiter in accordance d all required operational this Engine has been insetting.	spendix D. nance recovery and turn spection of engine hot side cleaning of P3 air filte and manifold flow check S% 1B6R708C on work or, cable & igniter inspe- ing and inspection in air es and sent them out fo 155 in accordance with M to within limits in acc with Pilatus PC-12/47E and functional checks spected in accordance we above work order.	section components in accordate in accordance with P&WC P k, replaced fuel nozzles with instance order# R003390. Work perforation & operational check per F coordance with P&WC PT6A-6 or analysis. Pilatus PC-12/47E AMM 74-20 cordance Pilatus PC-12/47E A £ AMM 71-00-00. with satisfactory results. Groundth a 100 hour inspection and in the section of the perforance in the satisfactory results.	ATE AMM 71-00-00 and P&WC PT6A-67B/P  since with P&WC PT6A-67B/P EMM 72-00-00.  T6A-67B/P EMM 73-10-07.  spected and functionally tested nozzles by med per P&WC PT6A-67B/P EMM 73-11-05.  P&WC PT6A-67B/P EMM 74-10-00 & 74-20-00.  7B/P EMM 79-20-00.  D-00  MM 71-00-00  and performance run good, no leaks noted.  s determined to be in an airworthy condition.
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inspection re Performed et EMM 71-00-0 Complied wit Complied wit Complied wit Rocky Mount Complied wit Took engine Installed 2 ea Adjusted gro Adjusted tord Accomplishe I certify that t Pertinent det	quirements of FAR 43 Apagine compressor perform 100. h 400 hour borescope ins h 200 hour inspection and h 400 hour fuel nozzles attain Turbine Services CR h 400 hour ignition excite h 150 hour oil filter clean oil and filter patch sample a new igniters PN CH346 und idle and flight idle Rique limiter in accordance d all required operational this Engine has been insetting.	spendix D. nance recovery and turn spection of engine hot side cleaning of P3 air filte and manifold flow check S% 1B6R708C on work or, cable & igniter inspe- ing and inspection in air es and sent them out fo 155 in accordance with M to within limits in acc with Pilatus PC-12/47E and functional checks spected in accordance we above work order.	section components in accordate in accordance with P&WC P k, replaced fuel nozzles with instance order# R003390. Work perforation & operational check per F coordance with P&WC PT6A-6 or analysis. Pilatus PC-12/47E AMM 74-20 cordance Pilatus PC-12/47E A £ AMM 71-00-00. with satisfactory results. Groundth a 100 hour inspection and in the section of the perforance in the satisfactory results.	ATE AMM 71-00-00 and P&WC PT6A-67B/P  since with P&WC PT6A-67B/P EMM 72-00-00.  T6A-67B/P EMM 73-10-07.  spected and functionally tested nozzles by med per P&WC PT6A-67B/P EMM 73-11-05.  P&WC PT6A-67B/P EMM 74-10-00 & 74-20-00.  7B/P EMM 79-20-00.  D-00  MM 71-00-00  and performance run good, no leaks noted.  s determined to be in an airworthy condition.
inspection re Performed et EMM 71-00-0 Complied wit Complied wit Complied wit Rocky Mount Complied wit Took engine Installed 2 ea Adjusted gro Adjusted tord Accomplishe I certify that t Pertinent det	quirements of FAR 43 Apagine compressor perform 100. h 400 hour borescope ins h 200 hour inspection and h 400 hour fuel nozzles attain Turbine Services CR h 400 hour ignition excite h 150 hour oil filter clean oil and filter patch sample a new igniters PN CH340 und idle and flight idle Rique limiter in accordance d all required operational this Engine has been insetting.	spendix D. nance recovery and turn spection of engine hot side cleaning of P3 air filte and manifold flow check S% 1B6R708C on work or, cable & igniter inspe- ing and inspection in air es and sent them out fo 155 in accordance with M to within limits in acc with Pilatus PC-12/47E and functional checks spected in accordance we above work order.	section components in accordate in accordance with P&WC P k, replaced fuel nozzles with instance order# R003390. Work perforation & operational check per F coordance with P&WC PT6A-6 or analysis. Pilatus PC-12/47E AMM 74-20 cordance Pilatus PC-12/47E A £ AMM 71-00-00. with satisfactory results. Groundth a 100 hour inspection and in the section of the perforance in the satisfactory results.	ATE AMM 71-00-00 and P&WC PT6A-67B/P  since with P&WC PT6A-67B/P EMM 72-00-00.  T6A-67B/P EMM 73-10-07.  spected and functionally tested nozzles by med per P&WC PT6A-67B/P EMM 73-11-05.  P&WC PT6A-67B/P EMM 74-10-00 & 74-20-00.  7B/P EMM 79-20-00.  D-00  MM 71-00-00  and performance run good, no leaks noted.  s determined to be in an airworthy condition.

### **Power Section** N698NG Hobbs Time: 432.8 PT6A-67P Model: Total Time: 432.8 S/N: PS-RY0743 Cycles: 529 Work Order: S-19-00041 Date: 18 February 2019 Complied with AAIP Annual inspection in accordance with the AAIP approved for Midland Aircraft Sales & Service, Inc. Complied with 300 hour engine minor periodic inspections using P&WC PT6A-67B/P EMM 72-00-00, table 601. Performed engine compressor performance recovery and turbine wash per Pilatus PC-12/47E AMM 71-00-00 and P&WC PT6A-67B/P Complied with 600 hour inspection of the fuel pump inlet screen per P&WC PT6A-67B/P EMM 73-10-02. Complied with 300 hour inspection and cleaning of P3 air filter in accordance with P&WC PT6A-67B/P EMM 73-10-07. Complied with 600 hour replacement of the fuel pump outlet filter. Installed new filter P/N 572744 per P&WC PT6A-67B/P EMM 73-10-02. Complied with 300 hour chip detector continuity test per P&WC PT6A-67B/P EMM 72-00-00. Complied with 300 hour oil filter cleaning and inspection in accordance with P&WC PT6A-67B/P EMM 79-20-00. Took engine oil and filter patch samples and sent them out for analysis, results normal. Complied with 600 hour/12 month reduction & accessory gearbox chip detectors inspections in accordance with Pilatus PC-12/47E AMM 79-30-01 and P&WC PT6A-67B/P EMM 72-00-00. Removed and replaced with new, RH igniter cable PN CH53399-02 per P&WC PT6A-67B/P EMM 74-20-00. Accomplished all required operational and functional checks with satisfactory results. Ground performance run good, no leaks noted. I certify that this Engine has been inspected in accordance with the AAIP approved for Midland Aircraft Sales & Service, Inc. and was condition. determined to Signed Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMYR171C Power Section **N698NG** Hobbs Time: 569.3 Model: PTGA-67P Total Time: 569.3 S/N: PS-RY0743 Cycles: 679 Work Order: S-19-00227 Date: 25 June 2019 Adjusted flight and ground idle rpm per Pilatus PC-12/47E AMM 71-00-00. Accomplished all required operational and functional checks with satisfactory results. Ground performance run good, no leaks noted. The Engine identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file under the above work order Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMYR171C Signed Power Section N698NG Hobbs Time: 738.5 Model: PT6A-67P Total Time: 738.5 S/N: PS-RY0734 Cycles: 877 Work Order: S-20-00028 Date: 12 February 2020 Complied with AAIP Annual inspection using the 300hr / 12 month, 600hr / 12 month and 1200hr / 12 month checklists in accordance with the AAIP approved for Midland Aircraft Sales & Service, Inc. Complied with 600 hour/12 month reduction & accessory gearbox chip detectors inspections in accordance with Pilatus PC-12/47E AMM .79-30-01 and P&WC PT6A-67B/P EMM 72-00-00. Complied with 300 hour engine minor and periodic inspections per P&WC PT6A-67B/P EMM 72-00-00, table 601. Performed engine compressor performance recovery and turbine wash per Pilatus PC-12/47E AMM 71-00-00 and P&WC PT6A-67B/P EMM 71-00-00. Complied with 300 hour chip detector continuity test per P&WC PT6A-67B/P EMM 72-00-00. Complied with 400 hour borescope inspection of engine hot section components in accordance with P&WC PT6A-67B/P EMM 72-00-00. Complied with 900 hour replacement of P3 air filter in accordance with P&WC PT6A-67B/P EMM 72-00-00. Installed new filter WF336238. Complied with 400 hour fuel nozzles and manifold flow check, replaced fuel nozzles with inspected and functionally tested nozzles by Prime Turbine Services CRS# 5PTR585C on work order# M4C2322. Work performed per P&WC PT6A-67B/P EMM 73-11-05. Complied with 400 hour ignition exciter, cable & igniter inspection & operational check per P&WC PT6A-67B/P EMM 74-10-00 & 74-20-00. Compiled with 900 hour replacement of oil filter, installed new filter P/N 7579522AM per P&WC PT6A-67B/P EMM 79-20-00. Took engine oil and filter patch samples and sent them out for analysis. Accomplished all required operational and functional checks with satisfactory results. Ground performance run good, no leaks noted.

certify that this Engine has been inspected in accordance with the AAIP approved for Midland Aircraft Sales & Service, Inc. and was

Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMYR171C

nes to be in an Airworthy condition.

Sec

N698NG Model: PT6A-67P



Hobbs Time: 1024.7 Total Time: 1024.7 Cycles: 1149

S/N: PS-RY0743 Date: 5 February 2021 Work Order: S-20-00028 Complied with AAIP Annual inspection using the 300hr / 12 month, 600hr / 12 month and 1200hr / 12 month checklists in accordance with the AAIP approved for Midland Aircraft Sales & Service, Inc. Complied with 300 hour engine minor and periodic inspections per P&WC PT6A-67B/P EMM 72-00-00, table 601 Performed engine compressor performance recovery and turbine wash per Pilatus PC-12/47E AMM 71-00-00 and P&WC PT6A-67B/P EMM 71-00-00. Complied with 300 hour chip detector continuity test per P&WC PT6A-67B/P EMM 72-00-00. Complied with 400 hour borescope inspection of engine hot section components in accordance with P&WC PT6A-67B/P EMM 72-00-00. Complied with 1000 hour AGB internal scavenge screen inspection in accordance with P&WC PT6A-67B/P EMM 72-00-00 Complied with 600 hour fuel pump outlet filter replacement in accordance with P&WC PT6A-67B/P EMM 73-10-02. New filter P/N 572744. Complied with 600 hour inspection of the fuel pump inlet screen per P&WC PT6A-67B/P EMM 73-10-02 Complied with 300 hour inspection and cleaning of P3 air filter in accordance with P&WC PT6A-67B/P EMM 73-10-07.

Complied with 400 hour ignition exciter, cable & igniter inspection & operational check per P&WC PT6A-67B/P EMM 74-10-00 & 74-20-00. Complied with 300 hour oil filter cleaning and inspection in accordance with P&WC PT6A-67B/P EMM 79-20-00. Took engine oil and filter patch samples and sent them out for analysis. Complied with 600 hour/12 month reduction & accessory gearbox chip detectors inspections in accordance with Pilatus PC-12/47E AMM 79-30-01 and P&WC PT6A-67B/P EMM 72-00-00. Complied with 150hr CPC re-application to compressor inlet in accordance with P&WC PT6A-67B/P EMM 72-00-00 Accomplished all required operational and functional checks with satisfactory results. Ground performance run good, no leaks noted. I certify that this Engine has been inspected in accordance with the AAIP approved for Midland Aircraft Sales & Service, Inc. and was determined to be in an Airworthy condition. Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMYR171C Power Section Hobbs Time: 1308.5 N698NG Total Time: 1308.5 Model: PT6A-67P Cycles: 1429 PS-RY0743 Work Order: S-21-00354 Date: 8 November 2021 Complied with 300 hour engine minor and periodic inspections per P&WC PT6A-67B/P EMM 72-00-00, table 601. Performed engine compressor performance recovery and turbine wash per Pilatus PC-12/47E AMM 71-00-00 and P&WC PT6A-67B/P Complied with 150hr CPC re-application to compressor inlet in accordance with P&WC PT6A-67B/P EMM 72-00-00. Complied with 400 hour borescope inspection of engine hot section components in accordance with P&WC PT6A-67B/P EMM 72-00-00. Complied with 300 hour inspection and cleaning of P3 air filter in accordance with P&WC PT6A-67B/P EMM 73-10-07. Complied with 400 hour fuel nozzles and manifold flow check, replaced fuel nozzles with inspected and functionally tested nozzles by Rocky Mountain Turbine Services CRS#1B6R708C on work order# R003623. Work performed per P&WC PT6A-67B/P EMM 73-11-05. Complied with 300 hour chip detector continuity test per P&WC PT6A-67B/P EMM 72-00-00. Complied with 300 hour oil filter cleaning and inspection in accordance with P&WC PT6A-67B/P EMM 79-20-00. Took engine oil and filter patch samples and sent them out for analysis. Accomplished all required operational and functional checks with satisfactory results. Ground performance run good, no leaks noted. I certify that this Engine has been inspected in accordance with the AAIP approved for Midland Aircraft Sales & Service, Inc. and was determined to be in an Airworthy condition. Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMYR171C Signed Power Section **N698NG** Hobbs Time: 1443.7 odel: PT6A-67P S/N: PS-RY0743 Total Time: 1443.7 Model: Cycles: 1526 Date: 9 March 2022 Work Order: S-22-00126 Complied with an Annual Inspection using Pilatus PC-12/47E AMM 300hr / 12 month, 600hr / 12 month, 1200hr / 12 month inspection forms as guides to comply with the inspection requirements of FAR 43 Appendix D Complied with 300 hour engine minor parodic inspections using P&WC PT6A-67B/P EMM 72-00-00, table 601 Performed engine compressor performance recovery and turbine wash per Pilatus PC-12/47E AMM 71-00-00 and P&WC PT6A-67B/P EMM 71-00-00 Complied with 150hr CPC re-application to compresso Tilet in accordance with P&WC PT6A-67B/P EMM 72-00-00

Complied with 900 hour replacement of P3 air filter in accordance with P&WC PT6A-67B/P EMM 72-00-00 Installed new filter WF336238.

Complied with 400 hour borescope inspection of engine hot section components in accordance with P&WC PT6A-67B/P EMM 72-00-00.

Complied with 600 hour inspection of the fuel pump inlet screen per P&VC 276A-67B/P EMM 73-10-02

Complied with 600 hour replacement of the fuel pump outet filter. Installed new filet R/N 572744 per P&WC PT6A-67B/P EMM 73-10-02.

Complied with 400 hour ignition exciter, cable & igniter inspection & operational declyper P&WC PT6A-67B/P EMM 74-10-00 & 74-20-00.

Complied with 900 hour replacement of oil filter, installed new filter P/N 3059258-01 per P&WC PT6A-67B/P EMM 79-20-00.

Complied with 600 hour/12 month reduction & accessory gearbox chip detectors inspections in accordance with Pilatus PC-12/47E AMM

79-30-01 and P&WC PT6A-67B/P EMM 72-00-00.

Complied with 300 hour chip detector continuity test per P&WC PT6A-67B/P EMM 72-00-00.

Took engine oil and filter patch samples and sent them out for analysis.

Removed LH ignition lead and replaced with new P/N CH53399-02 per P&WC PT6A-67B/P EMM 74-20-00

Accomplished all required operational and functional checks with satisfactory results. Ground performance run good, no leaks noted.

I certify that this Engine has been inspected in accordance with the AAIP approved for Midland Aircraft Sales & Service, Inc. and was determined to be in an Airworthy condition.

Signed C Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMYR171C

#### **Power Section**

**N698NG** Model: PT6A-67P S/N: PS-RY0743 Date: 9 March 2022



Hobbs Time: 1443.7 Total Time: 1443.7 Cycles: 1526

Work Order: S-22-00126

Complied with AAIP Annual inspection using the 300hr / 12 month, 600hr / 12 month and 1200hr / 12 month checklists in accordance with the AAIP approved for Midland Aircraft Sales & Service, Inc.

Complied with 300 hour engine minor periodic inspections using P&WC PT6A-67B/P EMM 72-00-00, table 601.

Performed engine compressor performance recovery and turbine wash per Pilatus PC-12/47E AMM 71-00-00 and P&WC PT6A-67B/P

Complied with 150hr CPC re-application to compressor inlet in accordance with P&WC PT6A-67B/P EMM 72-00-00.

Complied with 900 hour replacement of P3 air filter in accordance with P&WC PT6A-67B/P EMM 72-00-00. Installed new filter WF336238.

Complied with 400 hour borescope inspection of engine hot section components in accordance with P&WC PT6A-67B/P EMM 72-00-00.

Complied with 600 hour inspection of the fuel pump inlet screen per P&WC PT6A-67B/P EMM 73-10-02.

Complied with 600 hour replacement of the fuel pump outlet filter. Installed new filter P/N 572744 per P&WC PT6A-67B/P EMM 73-10-02. Complied with 400 hour ignition exciter, cable & igniter inspection & operational check per P&WC PT6A-67B/P EMM 74-10-00 & 74-20-00.

Complied with 900 hour replacement of oil filter, installed new filter P/N 3059258-01 per P&WC PT6A-67B/P EMM 79-20-00.

Complied with 600 hour/12 month reduction & accessory gearbox chip detectors inspections in accordance with Pilatus PC-12/47E AMM 79-30-01 and P&WC PT6A-67B/P EMM 72-00-00.

Complied with 300 hour chip detector continuity test per P&WC PT6A-67B/P EMM 72-00-00.

Took engine oil and filter patch samples and sent them out for analysis.

Removed LH ignition lead and replaced with new P/N CH53399-02 per P&WC PT6A-67B/P EMM 74-20-00.

Accomplished all required operational and functional checks with satisfactory results. Ground performance run good, no leaks noted.

I certify that this Engine has been inspected in accordance with the AAIP approved for Midland Aircraft Sales & Service, Inc. and was determined to be in an Airworthy condition.

Signed

Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMYR171C

### **Power Section**

**N698NG** Model: PT6A-67P S/N: PCE-RY0743 Date: 18 January 2023



Hobbs Time: 1712.1 Total Time: 1712.1 Cycles: 1840 Work Order: S-22-00707

Complied with an AAIP Annual Inspection using the 300hr / 12 month, 600hr / 12 month, 1200hr / 12 month checklists in accordance with the AAIP approved for Midland Aircraft Sales & Service, Inc.

Complied with 300 hour engine minor and periodic inspections per P&WC PT6A-67B/P EMM 72-00-00, table 601.

Performed engine compressor performance recovery and turbine wash per Pilatus PC-12/47E AMM 71-00-00 and P&WC PT6A-67B/P FMM 71-00-00

Complied with 300 hour CPC re-application to compressor inlet in accordance with P&WC PT6A-67B/P EMM 72-00-00.

Complied with 400 hour borescope inspection of engine hot section components in accordance with P&WC PT6A-67B/P EMM 72-00-00. Complied with 600 hour fuel nozzles and manifold flow check, replaced fuel nozzles with inspected and functionally tested nozzles by Rocky Mountain Turbine Services CRS# 1B6R708C on work order# R003702. Work performed per P&WC PT6A-67B/P EMM 73-11-05. Complied with 300 hour chip detector continuity test per P&WC PT6A-67B/P EMM 72-00-00.

Complied with 600 hour/12 month reduction & accessory gearbox chip detectors inspections in accordance with Pilatus PC-12/47E AMM 79-30-01 and P&WC PT6A-67B/P EMM 72-00-00.

Complied with 300 hour inspection and cleaning of P3 air filter in accordance with P&WC PT6A-67B/P EMM 73-10-07.

Complied with 400 hour ignition exciter, cable & igniter inspection & operational check per P&WC PT6A-67B/P EMM 74-10-00 & 74-20-00.

Complied with 300 hour oil filter cleaning and inspection in accordance with P&WC PT6A-67B/P EMM 79-20-00. Took engine oil and filter patch samples and sent them out for analysis.

Complied with 1750 hour check of the fuel pump to accessory gear box cover interface per P&WC PT6A-67B/P EMM 72-00-00. Accomplished all required operational and functional checks with satisfactory results. Ground performance run good, no leaks noted.

I certify that this Engine has been inspected in accordance with the AAIP approved for Midland Aircraft Sales & Service, Inc. and was determined to be in an Airworthy condition.

Signed

Signed X

Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMYR171C

## **Power Section**

**N698NG** Model: PT6A-67P S/N:

Date: 06 October 2023

PS-RY0743

Hobbs Time: 1958.0 Total Time: 1958.0 Cycles: 2107 Work Order: S-23-00687

Removed the following components for scheduled 1800hr. hot section inspection:

Outer Liner - PN: 3079489-01 SN: RWA10F654 Inner Liner - PN: 3116790-01 SN: RWA07F592

Small Exit Duct - PN: 3040931 CL07 SN: PDALKBND01

CT Disk - PN: 3053740-01 SN: YUAB001G464

Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMYR171C

Sect

N698NG Model: PT6A-67P S/N: PS-RY0743 Date: 27 October 2023



Hobbs Time: 1958.0 Total Time: 1958.0 Cycles: 2107 Work Order: S-23-00687

Compled with an Annual Inspection using Pilatus PC-12/47E AMM 300hr / 12 month, 600hr / 12 month, 1200hr / 12 month inspection

Complete with all reliminations in inspection requirements of FAR 43 Appendix D.

Complete with 300 hour engine minor and periodic inspections per P&WC PT6A-67B/P EMM 72-00-00, table 601.

Performed engine compressor performance recovery and turbine wash per Pilatus PC-12/47E AMM 71-00-00 and P&WC PT6A-67B/P EMM 71-00-00

Complied with 300 hour chip detector continuity test per P&WC PT6A-67B/P EMM 72-00-00.

Compiled with 1000 hour AGB internal scavenge screen inspection in accordance with P&WC PT6A-67B/P EMM 72-00-00. Compiled with 600 hour inspection of the fuel pump inlet screen per P&WC PT6A-67B/P EMM 73-10-02.

Complied with 600 hour replacement of the fuel pump outlet filter. Installed new filter P/N 572744 per P&WC PT6A-67B/P EMM 73-10-02. Complied with 300 hour inspection and cleaning of P3 air filter in accordance with P&WC PT6A-67B/P EMM 73-10-07.

Complied with 400 hour ignition exciter, cable & igniter inspection & operational check per P&WC PT6A-67B/P EMM 74-10-00 & 74-20-00. Complied with 300 hour oil filter cleaning and inspection in accordance with P&WC PT6A-67B/P EMM 79-20-00.

Took engine oil and filter patch samples and sent them out for analysis.

Complied with 600 hour 12 month reduction & accessory gearbox chip detectors inspections in accordance with Pilatus PC-12/47E AMM

79-30-01 and P&WC PT6A-67B/P EMM 72-00-00

Complied with engine hot section in accordance with Pratt & Whitney PT6A-67B/P EMM 72-00-00, Removed Power section assemble from engine with propeller installed, removed hot section components for inspection. Hot section inspection Complied with by Standard Aero Business Aviation Services LLC FAA CRS# YRR7491L under work order RPR62766. Removed fuel nozzles P/N 3119855-01RE03 and fuel manifold inlet adapter P/N 3119856-01RE03 with sheath P/N 3119920-01. Removed small exit duct P/N 3123302-01 S/N RWA06F748, CT disk P/N 3053740-01 S/N YUAB001G46, inner liner P/N 3116790-01 S/N RWA07F592 and outer liner P/N 3079489-01 S/N RWA10F654. Sent all part to Standard Aero for inspection, installed inspected small exit duct P/N 3123302-01 S/N RWA06F748, inspected CT disk P/N 3053740-01 S/N YUAB001G46, inspected inner liner P/N 3116790-01 S/N RWA07F592 and inspected outer liner P/N 3079489-01 S/N RWA10F654. Installed inspected fuel nozzles P/N 3119855-01RE03, inspected fuel manifold inlet adapted P/N 3119856-01RE03 and inspected Sheath P/N 3119920-01. Reinstalled all removed components using PT6A-67B/P maintenance Manual. Installed 2 ea. new igniters P/N CH34055 per Pilatus PC-12/47E AMM 74-20-00 and P&WC PT6A-67B/P EMM 74-20-00. Accomplished all required operational and functional checks with satisfactory results. Ground performance run good, no leaks noted.

I certify that this Engine has been inspected in accordance with an Annual inspection and is determined to be in an airworthy condition. Pertinent details are on file ungler the above work order.

Signed 4

Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMYR171C

**Power Section** 

N698NG Model: PT6A-67P S/N: PS-RY0743

Date: 27 October 2023

Hobbs Time: 1958.0 Total Time: 1958.0 Cycles: 2107 Work Order: S-23-00687

Complied with an AAIP Annual Inspection using the 300hr / 12 month, 600hr / 12 month. 1200hr / 12 month checklists in accordance with the AAIP approved for Midland Aircraft Sales & Service, Inc.

Complied with 300 hour engine minor and penodic inspections per P&WC PT6A-67B/P EMM 72-00-00, table 601.

Performed engine compressor performance recovery and turbine wash per Pilatus PC-12/47E AMM 71-00-00 and P&WC PT6A-67B/P EMM 71-00-00.

Complied with 300 hour chip detector continuity test per P&WC PT6A-678 P EMM 72-00-00

Complied with 1000 hour AGB internal scavenge screen inspection in accordance with P&WC PT6A-67B/P EMM 72-00-00.

Complied with 600 hour inspection of the fuel pump inlet screen per P&WC PT6A-67B/P EMM 73-10-02

Complied with 600 hour replacement of the fuel pump outlet filter. Installed new filter P/N 572744 per P&WC PT6A-67B/P EMM 73-10-02.

Complied with 300 hour inspection and cleaning of P3 air filter in accordance with P&WC PT6A-67B P EMM 73-10-07.

Complied with 400 hour ignition exciter, cable & igniter inspection & operational check per P&WC PT6A-67B/P EMM 74-10-00 & 74-20-00.

Complied with 300 hour oil filter cleaning and inspection in accordance with P&WC PT6A-67B/P EMM 79-20-00

Took engine oil and filter patch samples and sent them out for analysis Compiled with 600 hour/12 month reduction & accessory gearbox chip detectors inspections in accordance with Pilatus PC-12/47E AMM

79-30-01 and P&WC PT6A-67B/P EMM 72-00-00

Complled with engine hot section inspection in accordance with Pratt 8 Whittley PT5A-67B/P EMM 72-00-00. Removed Power section assemble from engine with propeller installed, removed hot section components for inspection. Hot section inspection Compiled with by Standard Aero Business Aviation Services LLC FAA CRS# YRR7491L under work order RPR62766 Removed fuel nozzles P/N 3119855-01RE03 and fuel manifold inlet adapter P/N 3119856-01RE03 with sheath P/N 3119920-01. Removed small exit duct P/N 3123302-01 S/N RWA06F748, CT disk P/N 3053740-01 S/N YUAB001G46 Inner Iner P N 3115790-01 S N RWA07F592 and outer Iner P/N 3079489-01 S/N RWA10F654. Sent all part to Standard Aero for inspection installed inspection and exit duct P/N 3123302-01 S/N RWA06F748 inspected CT disk P/N 3053740-01 S/N YUAB001G46 inspected other liner P N 31 6790-01 S/N RWA07F592 and inspected outer liner P/N 3079489-01 S/N RWA10F654. Installed inspected fuel nozzles P/N 3119855-01RE03. Inspected fuel manifold inlet adapted P/N 3119856-01RE03 and inspected Sheath P.N. 3119920-01. Reinstalled a reincircle components using PT6A-518. P maintenance Manual. Installed 2 ea. new ignitiers P/N CH34055 per Platus PC-1247E AMM 74-21-00 and P6M/C PT6A-67B/P EMM 74-20-00. Accomplished all required operational and functional checks with sall station, results. Ground performance run good no leaks noted.

I certify that this Engine has been inspected in accordance with the AA P approved for Micland A craft Sales & Service. Inc. and was determined to be in an Airworthy condition

Olathe KS 66062 913 782-0630 FAA Recair Station #AMYR171C Signed

# Section 2: Record of engine installations

	Installation						Removal		
Aircraft registration	Date installed	Position	Engine time since new²	Engine time since overhaul²	Aircraft time at installation	Date removed	Aircraft time at removal	Engine hours this installation <sup>2</sup>	
2	1 MAR 2017	SE	0.0	IV/A	0.0				
								7	

<sup>&</sup>lt;sup>2</sup> Where engine time is requested, enter the engine time and/or engine cycles, as applicable.

Section 3: Records of engine component installations

Oate installed //	Engine time since overhaul	Total cycles	Component description	Type/Model/Series/ Part Number	
1 2 OCT 20	16 NIA	0	Refer to life limited component cards and serialized components list included with the shipping package.		

Serial Number	Position	Date removed / /	Reason for removal	Entered by (print)
				TC 4-58 NO . 062
	l un and a second			K HIVIDOR
+				