



ENGINE LOGBOOK

PT6A TURBOPROP ENGINE

PCE-PM0220



PRATT & WHITNEY CANADA

Removed Aircraft Engine SN PM0220 and sent to Dallas Airmotive for 3500 hour Overhaul per Dallas Airmotive Proposal # 21-PT6A-328. as per Daher MM Chapter 71.72.73.74.76.77 and 79.



DallasAirmotive
A StandardAero Company

2988 W. Walnut Hill Lane
DFW Airport, TX 75261-0405
Certificate No. YRRR491L
Certificate of Work Accomplished

PT6A-64	Gas Generator S/N: PCE-PM0220 ✓	T.S.N.: 3459.4	C.S.N.: 2335	T.S.O.: 00.0	C.S.O.: Zero
Engine Overhauled, Tested and Preserved. All work accomplished with reference to Pratt & Whitney overhaul Manual P/N 3038322 Rev. 39, Dated May 24, 2021 and other data and methods acceptable to the administrator. Turbine Vane Ring Area: CT: 7.23 Cavity: 1S5					

Airworthiness Directive Status: N/A to S/N: AD 97-04-12. N/A to P/N: AD 2012-09-10.					
Pratt & Whitney Service Bulletins Accomplished: Gas Generator: 14209, 14405, 14408, 14438, 14451, 14479, 14508, 14524, 14528. Accessory Gearbox: none this visit. General: 14002, 14350, 14360, 14395, 14411, 14441, 14507, 14509, 14389, 14397, 14473, 14531, 14547.					
Manufacturer Service Bulletins Accomplished: Woodward: 83212-73-012R5, 83212-73-023, 83212-73-026. Meggitt: 10585-73-11R1.					

CORRECTED ENGINE PERFORMANCE

S.H.P.	Ng%	T ₅ °F	T ₅ °C	SFC	Data Plate Ng Speed / Ng%	T ₅ Pull Down Required	T ₅ Trimmer	Compressor Data Plate Trim			
850	92.9	1178	637	.658	34808 / 92.9%	22.2 °C Adjusted @ 48.9 Ω	P/N: 3053995CL15	G09N	G12N	N/A	N/A

LIFE LIMITED COMPONENTS INSTALLATION (Note: Refer To S/B 14002, Latest Revision, For Approved Life Limits)

Name	Part Number	Serial Number	Total Hours	Total Cycles	Remarks	Name	Part Number	Serial Number	Total Hours	Total Cycles	Remarks
Impeller	3036898	TXA1A6711	3459.4	2335		Rotor - Stg. 1	3037001	TXA1A7141	3459.4	2335	
Rotor - Stg. 4	3040944	EAAA000K701	3459.4	2335		Shaft - Rotor	3043063	PKAA028A813	3459.4	2335	
Rotor - Stg. 3	3040933	TXA1A6822	3459.4	2335		C.T. Disk	3053740-01	A001P6AP	3459.4	2335	
Rotor - Stg. 2	3040942	EAAA000K621	3459.4	2335		CT Blades	3118591-01	NSN	New	N/A	

ACCESSORY INSTALLATION

Name	Part Number	Serial Number	T.S.O.	Remarks	Name	Part Number	Serial Number	T.S.O.	Remarks
Fuel Control	8063-052-02	14311516	0.0		Igniter/Glow Plugs	CH34055	NSN	New	
Fuel Heater	10994A	WA20204	0.0		Bleed Valve Seat	3041166CL14	NSN	0.0	
Fuel Nozzles Inlet	3119856-01	NSN	0.0		Compressor Bleed Valve	3059829-01	AHX003458	0.0	
Fuel Nozzles Primary	3119855-01	NSN	0.0		T ₅ Trimmer	3053995CL15	NRA02110	New	
Fuel Pump	825601-5	007273	0.0		By-Pass Valve	3024996	NSN	0.0	
Fuel Flow Divider	25638-3	9959530024	0.0		Main Oil Filter	3059258-01	NSN	New	
P. Air Filter	3059788-01	NSN	New		Fuel Filter	3059779-01	NSN	New	
Ignition Cables	CH53399-06	NSN	New		Torque Limiter	3244862-2	C35233	0.0	

The work identified above was accomplished in accordance with current regulations of the Federal Aviation Administration title 14 Code of Federal Regulations Part 43 and in respect to that work this engine is approved for return to service. Pertinent details of this repair are on file at this repair station under sales order OH61346

Warranty May Be Transferred With Prior Written Consent. Please Call 1.800.527.5003.

Authorized Signature:

Walter Harris ^{DAI} 070
Walter Harris

Date: 04-Oct-2021

Prepared By:

Vickie Baxley
Vickie Baxley

*******MUNCIE AVIATION CO.CRS#AJVR135C*******

C/W 300,600 Hr,1,3 & 7 Yr specials

TBM850

by **DAHER-SOCATA**

N700ZF Date **2/15/2013** Hobbs **1766.7** A/C TT **2048.9** Cycles **1441**

Annual/600 Hr. Inspection C/W ref TBM Service manual chapter 5-20-04

C/W Compressor Wash and T-Wheel Rinse and Insitu Fuel Nozzle cleaning per P&W MM Ch 71 ←

Replaced Prop Brush Module brushes,Blended small nick 1st stage compressor,Replaced P-3 air delivery

Tube P/N 7422400002

See AD Listing Dated 2/15/2013 for Details

Ground check and run-up ok

I certify that this Engine has been inspected in accordance with a Annual/600 Hr. Insp. and was determined to be in airworthy condition.

Repair Station No. AJVR135C

Make P&W Ser.No PCE-PM0220

Model PT6A-64 Reg.Mark N700ZF

The aircraft/component identified above was repaired and inspected in accordance with current Regulations of Federal Aviation Agency,approved for return to service
Pertinent details of the repair are on file at the Agency

Work Order No. 5000039 Date 2/15/2013

Signed [Signature] Inspector for

MUNCIE AVIATION CO. CRS#AJVR135C

MUNCIE,IN 47308 765-289-7141



wo: 52191

//STELLAR AVION

Engine - page 1 of 1

Quality nonstop

Stellar Avion - 800 Aviation Drive - Camarillo, California 93010 - 8184866792

N700ZF

Pratt and Whitney , PT6A-64 , S/N: PM0220

August 04, 2021

Removed Aircraft Engine SN PM0220 and sent to Dallas Airmotive for 3500 hour Overhaul per Dallas Airmotive Proposal # 21-PT6A-328, as per Daher MM Chapter 71,72,73,74,76,77 and 79.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Stellar Avion under work order: 52191.

Rodrigo Sandoval A&P and IA 2784780

[Signature] 08/04/2021

MAINTENANCE RECORD

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REPAIRS. ADJUSTMENTS. MODIFICATIONS

LICENCE
NUMBER

wo: 52191

Engine - page 1 of 1

//STELLAR AVION

Quality nonstop

Stellar Avion - 800 Aviation Drive - Camarillo, California 93010 - 8184866792

N700ZF

CYCLES: 2336
TTSN: 3461.3

CSN: 2336
SMOH: 1.9

CSOH: 1

October 22, 2021
HOBBS: 3178.8

1. Re-installed PT6A-64 Engine SN PM0220 After Overhauled by Dallas Airmotive Proposal # 21-PT6A-328, Per Daher MM Chapter 71,72,73,74,76,77 and 79. Ops and leak check good.
2. Performed a "C" inspection plus annual Per Daher MM Chapter 05-20-04 and 05-20-05 and Pratt and Whitney PT6A-64 MM. All AD's checked through revision 10-20-2021. Daher checklist meets requirements of 14 CFR 91.409 and 14 CFR 43 Appendix D.
3. Performed post maintenance borescope of the first stage compressor Per Pratt and Whitney MM Chapter 71. No defects noted.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Stellar Avion under work order: 52191.

Rodrigo Sandoval A&P and IA 2784780

[Signature] 10/22/2021

wo: 52227

Engine - page 1 of 1

//STELLAR AVION

Quality nonstop

Stellar Avion - 800 Aviation Drive - Camarillo, California 93010 - 8184866792

N700ZF

HOBBS: 3219.8

Pratt and Whitney, PT6A-64, S/N: 220

February 24, 2022

The engine was preserved February 16-2022 for a 90-day period Per Pratt and Whitney PT6A-64 MM Chapter 72

Rodrigo Sandoval A&P and IA 2784780

[Signature] 02/24/2022

wo: 52227

Engine - page 1 of 1

//STELLAR AVION

Quality nonstop

Stellar Avion - 800 Aviation Drive - Camarillo, California 93010 - 8184866792

N700ZF

HOBBS: 3219.8

Pratt and Whitney, PT6A-64, S/N: 220

May 16, 2022

De-preserved engine after 90-day preservation per Pratt and Whitney PT6A-64 MM Chapter 72

Rodrigo Sandoval A&P and IA 2784780

[Signature] 05/16/2022

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	

BROU
FORW



C.R.S X11R595Y

205 Durley Ave Suite A Camarillo, CA 93010 Phone: (805)389-1188 | Fax: (805) 389-3323

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N700ZF

Work Order No: MXCA821

May 26, 2022

Engine MFR: Pratt & Whitney
HOBBS: TSN:

Model: PT6A-64
TSO:

CSN:

SN: PM0220
CSO:

Performed pre-maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-64 MM Chapter 72.

Complied with an engine preservation up to 90 days I.A.W. Pratt and Whitney PT6A-64 MM Chapter 72.

This aircraft, airframe, aircraft engine, propeller or appliance was repaired/inspected in accordance with the current Federal Aviation Regulations and has been found to be in an airworthy condition for scope of work performed. Pertinent details of the repair/inspection are on file at this Repair Station under Work Order No. MXCA821.

Signature 05/26/2022
Date

For: FAA Approved Repair Station # C.R.S X11R595Y



C.R.S X11R595Y

205 Durley Ave Suite A Camarillo, CA 93010 Phone: (805)389-1188 | Fax: (805) 389-3323

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N700ZF

Work Order No: MXCA821

August 05, 2022

Engine MFR: Pratt & Whitney
HOBBS: 3,502.4 TSN:

Model: PT6A-64
TSO:

CSN:

SN: PM0220
CSO:

De-preserved engine I.A.W. Pratt and Whitney PT6A-64 MM Chapter 72.

Performed pre-maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-64 MM Chapter 72.

Complied with the C.T. disc desalination and compressor power recovery wash I.A.W. Pratt and Whitney PT6A-64 MM Chapter 71. ←

Inspected and adjusted the power lever rigging I.A.W. Daher and Pratt and Whitney PT6A-64 MM Chapters 71 and 76. Operational check good.

Performed post-maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-64 MM Chapter 72. No changes noted between pre and post maintenance.

This aircraft, airframe, aircraft engine, propeller or appliance was repaired/inspected in accordance with the current Federal Aviation Regulations and has been found to be in an airworthy condition for scope of work performed. Pertinent details of the repair/inspection are on file at this Repair Station under Work Order No. MXCA821.

Signature 8/5/2022
Date

For: FAA Approved Repair Station # C.R.S X11R595Y

CARRIED FORWARD

TOTAL THIS PAGE

TOTAL FROM
PREVIOUS SUMMARY

TOTAL
SINCE MFG.

MAINTENANCE RECORD

4

REPAIRS, ADJUSTMENTS, MODIFICATIONS
ENTIRE DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER



Page 1 of 1

205 Durley Ave Suite A Camarillo, CA 93010 Phone: (805)389-1188 | Fax: (805) 389-3323

N700ZF

Work Order No: MXCA1033

November 17, 2022

Engine MFR: Pratt & Whitney

HOBBS: 3,537.90 TSN: 3,537.90

Model: PT6A-64

TSO: 76.60

CSN: 2,491.00

SN: PM0220

CSO: 156.00

Complied with an "A" inspection plus annual in reference to Daher MM Chapter 05-20-02, 05-20-05 and Pratt and Whitney PT6A-64 MM. All AD's checked through revision 2022-23; see AD compliance record provided with the airframe logbook. Daher checklist meets requirements of 14 CFR 91.409 and 14 CFR 43 Appendix D.

Performed pre-maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-64 MM Chapter 72.

Complied with the annual or 200 hour engine periodic inspection I.A.W. Pratt and Whitney PT6A-64 MM Chapter 72-00-00 Table 601. Retrieved and sent out oil sample for analysis using kit P/N: 3134819 S/N: 419520.

Adjusted max reverse I.A.W. Daher and Pratt and Whitney PT6A-64 MM Chapter 71. Operational check good.

The Garmin G-600 erroneously recorded an ITT exceedance dated 12/31/1989 with an ITT of 866C for 5 seconds, the Garmin G-600 was installed in January, 2021. No action required for the false ITT event.

Complied with the C.T. disc desalination and compressor power recovery wash I.A.W. Pratt and Whitney PT6A-64 MM Chapter 71. Borecoped through the exhaust duct drain I.A.W. Pratt and Whitney PT6A-64 MM Chapter 72. Minor spots of cooled oil found around the drain area and drains are free at this time.

Resealed oil to fuel heat exchanger I.A.W. Pratt & Whitney PT6-64 MM Chapter 73. Leak check good.

Complied with inspection of the fuel outlet filter for foreign matter or distortion I.A.W. Pratt and Whitney PT6A-64 MM Chapter 73. No defects noted.

Removed o-rings on scavenge tube seals and replaced with new I.A.W. Pratt & Whitney PT6A-64 MM Chapter 79. Leak check good.

Removed o-rings on #2 bearing and replaced with new o-ring I.A.W. Pratt & Whitney PT6A-64 MM Chapter 79. Leak check good.

Performed post-maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-64 MM Chapter 72. No changes noted between pre and post maintenance.

This aircraft, airframe, aircraft engine, propeller or appliance was repaired/inspected in accordance with the current Federal Aviation Regulations and has been found to be in an airworthy condition for scope of work performed. Pertinent details of the repair/inspection are on file at this Repair Station

under Work Order No. MXCA1033.

[Signature] 11/17/2022

Signature

Date

For: FAA Approved Repair Station # C.R.S X11P595Y

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

wo: 52345

Engine · page 1 of 1

//STELLAR AVION

Quality nonstop

Stellar Avion · 65A Durley Ave · Camarillo, California 93010 · 8184866792

N700ZF

Pratt and Whitney , PT6A-64, S/N: PM0220

December 23, 2022

HOBBS: 3551.8

1. Performed borescope of the engine' First stage compressor and Hot section for condition Per Pratt and Whitney MM Chapter 72. no defects noted at this time the engine looks normal for time in service. 2. Collected engine oil sample and sent to Avlab per P&W PT6A-64 MM Chapter 71. pending results

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Stellar Avion under work order: 52345.

Rodrigo Sandoval A&P and IA 2784780

[Signature] *[Signature]* 12/23/2022

ENGINE SERVICE AND

[illegible]

