N613ES 2005 Cessna T182T

Airworthiness Directives

MSN: T18208424



Prepared by the worldwide aviation specialists at RidgeAire, Inc.

Date: 1/22/2025 Tail #: N613ES

 Airframe: Textron (Cessna) T182T
 S/N: T182-08424
 Hours: Tach: 1283-5 Hobbs: 1450.5

Engine: Lycoming TIO-540-AK1A S/N: L-12010-61E Hours: Tach: 1283.5

Propeller: McCauley B3D36C442 S/N: 042555 Hours:

AD# Eff Date Category	Subject	Date/Hours at Compliance	Method of Compliance	Rec	Date/Hours Next Due	Signature and Number
73-17-01 08/16/73 Airframe	Fuel Transfer Pump Operation					Charles Crossman 3440359 IA
2004-15-18 09/12/04 Airframe	KAP 140 Autopitot					Charles Crossman 3440359 IA
2005-05-53 R1 03/21/05 Airframe	Flight Control System Problems					Charles Crossman 3440359 IA
2005-13-10 08/09/05 Airframe	Incorrect Circuit Breakers					Charles Crossman 3440359 IA
2007-05-10 04/11/07 Airframe	Crew Seat Back Cylinder Lock		Previously Complied With			Charles Crossman 3440359 IA
2007-08-03 05/02/07 Airframe	Fuel Hose Connections					Charles Crossman 3440359 IA
2008-02-18 02/28/08 Airframe	BRS Parachute System Pick-Up Collar Support and Retaining Screws					Charles Crossman 3440359 IA
2008-05-09 04/08/08 Airframe	Seat Base/ Back Attach Brackets		Previously Complied With			Charles Crossman 3440359 IA
2008-10-02 05/12/08 Airframe	Alternate Static Air Source Selector Valve					Charles Crossman 3440359 IA
2008-26-10 01/05/09 Airframe	Alternate Static Air Source Selector Valve		Previously Complied With			Charles Crossman 3440359 IA
2013-11-11 08/01/13 Airframe	Engine Oil Pressure Switch	01/2024	New Oil pressure switch PN 83278 Installed, next due in 3000 hrs.	Yes	Hobbs 4304 Tach 4147	Charles Crossman 3440359 IA
2023-09-09 07/17/23 Airframe	Exhaust Tailpipe V-Band Coupling	due	C/W by installing new part, Riveted coupling installed, no longer applicable.	Yes		Charles Crossman 3440359 IA

AD# Eff Date Calegory	Subject	Date/Hours at Compliance	Method of Compliance	Rec	Date/Hours Next Due	Signature and Number
71-13-01 R1 03/08/12 Engine	Rescission of AD 71-13-01					Charles Crossman 3440359 IA
75-09-15 04/30/75 Engine	Bendix Fuel Injector Flow Divider Gover Gasket					Charles Crossman 3440359 IA
78-23-10 11/07/78 Engine	Bendix RSA Series Fuel Injector Bellows Seal					Charles Crossman 3440359 IA
79-04-05 09/26/79 Engine	Bendix RSA Series Fuel Injectors Diaphragm					Charles Crossman 3440359 JA
91-08-07 05/06/91 Engine	Fuel Pump Vent Hose Fitting					Charles Crossman 3440359 IA
92-12-05 07/10/92 Engine	Piston Pin Failure	-				Charles Crossman 3440359 IA
93-11-11 06/21/93 Engine	Diaphragm Fuel Pumps Overhauled (by AAI) - Remove Affected Pump and Replace					Charles Crossman 3440359 IA
97-15-11 08/12/97 Engine	Piston Pin Failure					Charles Crossman 3440359 IA
2002-19-03 09/20/02 Engin e	Crankshaft Failure					Charles Crossman 3440359 IA

2003-14-03 08/14/03 Engine	Rotary Fuel Pump Leaks			Yes*		Charles Crossman 3440359 IA
2004-05-24 03/30/04 Engine	Crankshaft Gear Retaining Bolts					Charles Crossman 3440359 IA
2004-10-14 06/25/04 Engine	Crankshaft Gear Retaining Bolt			Yes		Charles Crossman 3440359 IA
2005-19-11 10/21/05 Engine	Crankshaft Failures					Charles Crossman 3440359 IA
2006-12-07 07/11/06 Engine	ECi Cylinder Assemblies					Charles Crossman 3440359 IA
2009-02-03 02/09/09 Engine	RSA-5 or RSA-10 Series - Fuel Injection Servo Plug Gasket	<u> </u>		Yes*		Charles Crossman 3440359 A
2009-26-12 02/04/10 Engine	ECi Cracked Cylinder Assemblies			Yes		Charles Crossman 34403591A
2011-13-03 07/13/11 Engine	TA3601, TAO4xx, T18xxx, THO867 and TEO659 - Machining Debris in CHRA Housing and Rotating Assembly					Charles Crossman 3440359 IA
2012-03-06 02/24/12 Engine	AVStar Fuel Servo Diaphragm					Charles Crossman 3440359 IA
2012-19-01 10/24/12 Engine	Crankshaft Replacement					Charles Crossman 3440359 IA
2013-21-02 11/13/13 Engine	Hartzell TA0411 Turbochargers					Charles Crossman 3440359 IA
2015-19-07 11/03/15 Engine	Fuel Injector Fuel Lines and Clamps			Yes		Charles Crossman 3440359 IA
2017-16-11 08/15/17 Engine	Connecting Rad Failure					Charles Crossman 3440359 IA
2024-21-02 12/05/24 Engine	Connecting Rod Failure	01/25/25	Insp for bronze particles at oil change, CAV per MSB 480F.	Yes*	at overhaul of engine	Charles Crossman 3440359 IA

Propeller: N	lcCauley B3D36C442					
AD# Eff Date Category	Subject	Date/Hours at Compliance	Method of Compliance	Rec	Date/Hours Next Due	Signature and Number
	Southern California Propeller Serviced Propellers		Not Applicable			Charles Crossman 3440359 IA

ACCOMPLISHMENT INSTRUCTIONS (Cont.)

Instructions

- Review applicable airplane paperwork. Find the number of hours of operation of the 83278 Oil Pressure Switch that is installed on your airplane.
- A. If the 83278 Oil Pressure Switch has 3000 hours or more of operation, you must replace it. Go to
- B. If the 83278 Oil Pressure Switch has less than 3000 hours of operation, it is not necessary to replace it at this time. You must monitor the hours of operation of the switch, and replace it at or before 3000 hours of operation. Go to
- 2. Prepare the airplane for maintenance.
- A. Make sure that all switches are in the OFF/NORM position.
- B. Disconnect electrical power from the airplane.
- (1) Disconnect the airplane battery.
- (2) Disconnect external electrical power.
- C. Attach maintenance warning tags to the battery and external power receptacle that have "DO NOT CONNECT ELECTRICAL POWER MAINTENANCE IN PROGRESS" written on them.
- 3. Remove the used 83278 Oil Pressure Switch. (Refer to the applicable Maintenance Manual, Chapter 79, Oil Pressure Indicator Maintenance Practices.)
- 4. Install the new 83278 Oil Pressure Switch. (Refer to the applicable Maintenance Manual, Chapter 79, Oil Pressure Indicator Maintenance Practices.)
- 5. Remove the maintenance warning tags from battery and external power receptacle.
- 6. Reconnect the airplane battery. (Refer to the applicable Maintenance Manual, Chapter 24, Electrical Power,)
- 7. Do an oil pressure switch operational test as follows.
 - A. Turn on the master switch and make sure that the low oil pressure warning annunctator is on.
 - B. Start the engine. (Refer to the applicable Pilot's Operating Handbook, Section 4, Normal Procedures ~ Starting Engine.)
 - C. Operate the engine until the oil pressure goes into the normal operating range.
 - (1) Make sure that the low oil pressure warning annunciator goes off.
 - D. Make sure that the hour meter operates correctly.
 - E. Stop the engine. (Refer to the applicable Pilot's Operating Handbook, Section 4, Normal Procedures Securing Engine.)
 - F. Do a check for oil leaks at the oil pressure switch installation.
- 8. Make an entry in the airplane logbook that states compliance and method of compliance with this Service Bulletin. If you did not replace the oil pressure switch, record the current time in service hours of the installed switch.

OWNER NOTIFICATION

On January 29, 2007 the following message will be sent to applicable owners of record in SB07-79-09A.

Dear Cessna Owner:

This Owner Advisory is to inform you that S807-79-01 has been issued.

Analysis of the wear on the internal parts of the part number 83278 oil pressure switch reveals the need to establish a life limit of 3000 hours of operation for the switch. Too much wear of the internal parts of the switch may lead to oil leakage from the switch.

The time in service of the part number 83278 oil pressure switch shall be determined and the switch shall be replaced when it reaches 3000 hours of operation.

Compliance is mandatory: the part number 83278 oil pressure switch shall be replaced every 3000 hours of operation.

A one time inspection to determine the time in service of the engine oil pressure switch shall be accomplished at the next oil change or within the next 50 hours of operation, whichever occurs first.

Subsequent Inspections: oil pressure switch life limit replacement shall be accomplished in accordance with the Component Time Limits Section of the applicable airplane Maintenance Manual (latest revision).

The information contained in the referenced Cessna Service Bulletin shall be considered an amendment to the Cessna Manufacturer's Service/Maintenance Manual or Instructions for continued airworthiness, and must be accomplished for ongoing airworthiness compliance as required per 14 CFR Part 43.13.

Please contact a Cessna Single Engine Service Station for detailed information and arrange to have Cessna Service Bulletin SB07-79-01 accomplished on your airplane.

MANPOWER

Approximately 0.5 man-hour when accomplished concurrent with an oil change.

REFERENCES

Model 172 Series 1996 and On Maintenance Manual Model 182/T182 Series 1997 and On Maintenance Manual Model 206/T206 Series 1998 and On Maintenance Manual

NOTE: Make sure all publications used are complete and current.

NOTE: This information shall be considered an amendment to the Cessna Manufacturer's Service/Maintenance Manual or Instructions for continued ainworthiness and must be accomplished for ongoing airworthiness compliance as required per 14 CFR Part 43.13.

MATERIAL PRICE AND AVAILABILITY

The parts below are available from Cessna Parts Distribution through an appropriate Cessna Service Station for the suggested list price shown.

Part Number	<u>Description</u>	Qty/Airplane	<u>Price</u>
83278	Switch, Oil Pressure	1	\$ 43.30 (PS) ea
U544006S	Sealant, Thread (Loctite 592, 1.69 fl. oz.)	(as required)	\$ 49.00 (VO) ea

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

CREDIT INFORMATION

Not applicable

ACCOMPLISHMENT INSTRUCTIONS

Weight And Balance Information

Negligible.

Material Information

The part below may be necessary:

NEW P/N	QUANTITY	DESCRIPTION	OLD P/N	DISPOSITION
83278	1	Switch, Oil Pressure	83278	Discard

The material that follows, or equivalent, is necessary:

NAME	NUMBER	MANUFACTURER	USE
Loctite 592 - Thread Sealant		Cessna Aircraft Company Cessna Parts Distribution 5800 East Pawnee PO Box 1521 Wichita, KS 67218	To apply to the threads of the switch

Equipment List for N613ES

					<u></u>		
GOVERNORS	McCauley	C18103	31-0119				
	Serial # N/A Notes:	Part#	N/A	Location	Front		
IGNITION	ACS	Cessna	mag switch				
SWITCHES	Serial # N/A Notes:	Part #	A-210-8	Location	Front		
MAGNETOS	Slick	6361					
	Serial # 09080523 Notes:	Part#	N/A	Location	Left		
	Slick	6361					
	Serial # 09090032 Notes:	Part #	N/A	Location	Right		
NAVIGATION	Garmin	G-1000)		<u> </u>		
	Serial # N/A Notes: System Software Updated as per. SEB-34-02 REV 2: 6-24-2013 to 563.26	Part #	N/A	Location	Front		
OXYGEN	Scott	Compo	sit	-	·		
SYSTEMS	Serial # N/A Notes: MFG Date: 6-04/Due replacement every 15 years. Due 2019. Hydro every 5 years. Last Hydro 9-04-2008.	Part #	804882-33	Location	Rear		
STARTERS	Sky Tec	NL/ec					
	Serial # FNE-071310 Notes:	Part#	149-NL/ec	Location	Front		
TIRES	Goodyear	Flight S	Special II				
	Serial # N/A Notes:	Part #	6.00-6, 6ply	Location	Main		
	Goodyear	Flight 5	Flight Special II				
	Serial # N/A Notes:	Part #	5.00-5 6ply	Location	Nose		
TURBOCHARGE	Textron	Turbo					
R\$	Serial # ICL00224 Notes:	Part #	46C22924	Location	Front		
VACUUM	Tempest	Dry					
	Serial # N/A Notes:	Part #	AA3215CC	Location	Front		

ENGINE -

Company Manufacturer Model Location Serial #

TEXTRON LYCOMING TIO-540 SERIES

TSMOH Total Time

AD# Effective	Subject	Date & Hours @ Compliance	Method Of Compliance	0	70	O R Next Comp @ Hrs/Date	Authorized Signature & Number
71-13-01 06/22/71	RESCINDED BY AD 71-13-01 R1/			×			
71-13-01 R1 03/08/12	FUEL INJECTION LINES/			×			
73-23-01 01/13/77	[R4] PISTON PIN/			×			
75-09-15 04/30/75	FUEL INJECTOR FLOW DIVIDER COVER/			×			
78-23-10 11/07/78	FUEL INJECTOR CENTER BODY BELLOWS SEAL/			×	_		
79-04-05 02/26/79	[R1] FUEL INJECTOR REGULATOR DIAPHRAGMI			×			
*80-17-10 08/18/80	TURBOCHARGER TRANSITION WASTEGATE ASSEMBLY/		4/2		×		
83-22-04 11/04/83	FUEL INJECTOR DIAPHRAGM STEM/		(80	×			
84-19-03 R1 09/20/84	CRACKED CYLINDER HEAD ASSEMBLY/			×			
87-10-06 R1 09/01/89	ROCKER ARM ASSEMBLIES/			×			
89-15-10 11/30/89	ENGINE FUEL PUMP DIAPHRAGM/			×	_		
90-04-06 R1 05/28/91	REAR MOUNTED PROPELLER GOVERNOR AND EXTERNAL OIL LINE/			×			
91-08-07 10/11/94	FUEL PUMP DIAPHRAGM AND VENT			×			
91-10-04 05/21/91	EXHAUST TRANSITION FLANGE BOLTS/		3	×			
*91-14-22 08/19/91	SUPERSEDED BY AD 2004-10-14/		2/2		×		

TIO-540 SERIES

Page 2 of 4

*03-14-03 RO 08/14/03 SCI	*02-26-01 SUI	02-23-06 SUI 11/19/02	02-20-81 SUI	02-19-03 CR 08/20/02	02-17-53 SUI	*02-12-07 OIL 07/03/02 GA:	02-04-51 SU 02/11/02	*00-18-63 SUI	*98-18-12 SUI	98-17-11 CR 10/19/98	97-15-11 PIS 08/12/97	*97-01-04 CY	97-01-03 SUI	95-28-02 LO	95-07-01 CO 03/17/95	93-11-11 LOI 08/21/83 FUI	*93-05-22 SU	*93-02-05 SU 06/14/93	92-12-05 PIS 07/10/92	*91-21-01 R1 CR 06/27/96
ROTARY FUEL PUMP RELIEF VALVE SCREWS/	SUPERSEDED BY AD 2008-14-07/	SUPERSEDED BY AD 2004-05-24/	SUPERSEDED BY AD 2002-23-08/	CRANKSHAFT MATERIAL TEST/	SUPERSEDED BY AD 2002-19-03/	OIL FILTER CONVERTER PLATE GASKET/	SUPERSEDED 8Y AD 2002-17-53/	SUPERSEDED BY AD 2002-12-07/	SUPERSEDED BY AD 2003-14-03/	CRANKSHAFT CRACKS/	PISTON PIN RECALL!	CYLINDER HEAD SEPARATION/	SUPERSEDED BY AD 97-16-11/	LOW OCTANE ENGINE DAMAGE/	CONNECTING ROD BOLTS/	LOW AND HIGH PRESSURE DIAPHRAGM FUEL PUMPS/	SUPERSEDED BY AD 2002-26-01/	SUPERSEDED BY AD 2002-26-01/	PISTON PIN RECALL/	CROSSOVER EXHAUST PIPE/
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Prepared by __

Date 10/22 hrs

TIO-540 SERIES

Page 3 of 4

×		ENGINE EXHAUST PIPES AND TURBOCHARGER MOUNTING BRACKET/	15-10-08 07/02/15
×	C)	PROPELLER GOVERNOR IDLER SHAFT SET SCREW!	*15-02-07 03/11/15
×		TURBINE WHEEL HEAD AND SHAFT WELDED JOINT/	13-21-02 11/13/13
×		SUPERSECED BY AD 2013-21-02/	12-24-09 12/20/12
×		CRANKSMAFT RETIREMENT/	12-18-01 10/24/12
×		AFS FUEL SERVO DIAPHRAGM/	12-03-06 02/24/12
×		SUPERSEDED 8Y AD 2015-19-07/	*11-26-04 01/25/12
×		SUPERSEDED BY AD 2012-03-08/	11-15-10 08/16/11
×	-	MACHINING DEBRIS IN TURBOCHARGER CAVITIES!	11-13-03 07/13/11
×	Z X	ENGINE COMPONENTS, INC. P/N AEL85102 "TITAN" CYLINDERS/	*09-28-12 02/04/10
×	3	SUPERSEDED BY AD 2009-28-12/	*08-19-05 10/20/08
× ×	5	SUPERSEDED BY AD 2011-26-04/	*08-14-07 08/14/08
×		TURBINE HOUSING EXHAUST FLANGE/	08-08-17 05/05/08
×		SUPERSEDED BY AD 2012-18-01/	06-20-09 11/03/06
×		ENGINE COMPONENTS, INC. P/N AEL65102 "CLASSIC CAST" CYLINDERS/	06-12-07 07/11/06
×		ENGINE COMPONENTS, INC.	06-10-21 06/22/06
×		SUPERSEDED BY AD 2008-12-07/	05-26-10 01/31/08
×		300 HORSEPOWER OR LOWER CRANKSHAFTS/	05-19-11 10/21/05
NA WAR X		CRANKSHAFT GEAR AND GEAR RETAINING BOLT/	*04-10-14 C1 08/25/04
×		CORRECTED BY AD 2004-10-14 C1/	04-10-14 06/25/04
		CRANKSHAFT GEAR RETAINING BOLT/	04-05-24 03/30/04

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Date 10/22/23

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1		Silver sillings bu control combinance vector	110-04 110-04	-040 SERIES	Page 4 of 4
BE	15-19-07	EXTERNAL FUEL INJECTOR LINES/		×	
ξ.	147-17-10 06/28/17	EXHAUST SYSTEM FLANGE NUTS TORQUE AND SYSTEM INTEGRITY/	1:0540 ASIA	×	
7	17-16-11 08/15/17	ENGINE CONNECTING ROD ASSEMBLIES INTEGRITY/		×	
	22-16-03 08/15/22	S-1200 SERIES MAGNETOS ROLLER BEARINGS IMPROPER LUBRICATION/		×	
	*23-09-09 07/17/23	FAILURES OF SPOT-WELDED, MULTI- SEGMENT V-BAND COUPLINGS/	710540 AEZA	×	
1			7 7 80	3	

TIO-540 SERIES

Page 4 of 4

RATA

Date 10/27/27

Prepared by _

PROPELLER -

Company Manufacturer Model Location Tail #

Serial #

MCCAULEY INDUSTRIAL CORP. B3D36C SERIES

Blade TSMOH Total Time

Ē

Tail Number

Subject Date & Method Of Hours @ Compliance MAINTENANCE AND REPAIR BY SOUTHERN CALIFORNIA PROPELLER		Date & Method Of Compliance Compliance	Date & Method Of Compliance Compliance
		Method Of Compliance	Method Of Compliance
Method Of	Method Of Compliance		
	Compliance		

AIRFRAME

Company Manufacturer Model Serial #

A/C Cert. Date

CESSNA AIRCRAFT CORP. 182T

Tach Time Total Time

Tail Number

AD# Effective	Subject	Date & Hours @ Compliance	Method Of Compliance	О 70	70	Next Comp @ Hrs/Date	Authorized Signature & Number
03-24-13 01/20/04	SUPERSEDED BY AD 2004-15-18/			×			
04-15-18 09/12/04	AFM, KAP140 AUTOPILOT COMPUTER SOFTWARE!			×			
05-05-53 03/04/05	REVISED BY AD 2005-05-53 R1/			×	-		
05-05-53 R1 03/21/05	FLIGHT CONTROL SYSTEM RIGGING/			×			
05-13-10 08/09/05	MAIN ELECTRICAL POWER JUNCTION BOX CIRCUIT BREAKERS/			×			
06-17-04 09/01/06	SUPERSEDED BY AD 2007-08-03/			×			
07-05-10 04/11/07	CREW SEAT BACK CYLINDER LOCK ASSEMBLY/			×			
07-08-03 05/02/07	ENGINE COMPARTMENT FLEXIBLE FUEL HOSE END FITTINGS/			×			
08-02-18 02/28/08	PARACHUTE SYSTEM PICK-UP COLLAR SUPPORT AND SCREWS/			×			
08-05-09 04/08/08	SEAT BASE/BACK ATTACH BRACKET/			×			
08-10-02 05/12/08	ALTERNATE STATIC AIR SOURCE SELECTOR VALVE/			×	_		
08-26-10 01/05/09	PLACARD, ALTERNATE STATIC AIR SOURCE SELECTOR VALVE ID PLACARD/			×			
*13-11-11 08/01/13	ENGINE OIL PRESSURE SWITCH/				×		

AIRCRAFT RECORDS - DO NOT DESTROY

Company Manufacturer Smokey Mountain Aviation TEXTRON LYCOMING

Model

TIO-540-AK1A

Location

Front

Serial #

L-12010-61E

TSMOH **Total Time** N/A 758.8

05-19-11

10/21/05

300 HORSEPOWER OR LOWER CRANKSHAFTS/

Method of Compliance PCW, N/A by Engine S/N.

Next Due N/A

SB # MSB 566

Date 7-30-2014

Cert. # A/P 426060036

Signature/

06/22/06

ENGINE COMPONENTS, INC. CONNECTING RODS/

Method of Compliance

N/A, No ECI Parts Installed.

Next Due N/A

SB#

06-10-21

Date 7-30-2014

Cert. # A/P 426060036

Signature/

07/11/06

ENGINE COMPONENTS, INC. P/N AEL65102 "CLASSIC CAST"

06-12-07 CYLINDERS/

Method of Compliance N/A, No ECI Cylinders Installed.

Next Due N/A

SB# Signature Date 7-30-2014

Cert. # A/P 426060036

08-08-17

05/06/08

TURBINE HOUSING EXHAUST FLANGE/

Method of Compliance N/A by Engine Mdl. and S/N.

Next Due N/A

SB # MSB 580

Date 7-30-2014

Cert. # A/P 426060036

Signature

*09-26-12

02/04/10

ENGINE COMPONENTS, INC. P/N AEL65102 "TITAN" CYLINDERS/

Method of Compliance N/A, No ECI Titan Cylinders Installed.

SB#

Signature

Date 7-30-2014

Next Due No further action required.

Cert. # A/P 426060036

11-13-03

07/13/11

MACHINING DEBRIS IN TURBOCHARGER CAVITIES/

Method of Compliance SB#

CW IAW 2011-13-03 par. (h). Date 7-30-2014

Next Due N/A

Cert. # A/P 426060036

*11-26-04

Signature

01/25/12

EXTERNAL FUEL INJECTOR LINES/

Method of Compliance CW by inspection. Superseded by AD 15-19-07. Date 7-30-2014

Next Due Every 100hrs. Or anytime

SB # MSB 342A-F

maintenance is performed on or around injector lines or clamps.

Signature

Cert. # A/P 426060036

12-03-06

02/24/12

AFS FUEL SERVO DIAPHRAGM/

Method of Compliance N/A by Fuel Servo P/N.

Next Due N/A

SB# Signature Date 7-30-2014

Cert. # A/P 426060036

Prepared by

Date 11-15-2017

* Indicates possible recurring inspections Tdata, Inc TIO-540-AK1A Front Page 1 of 2

CRANKSHAFT RETIREMENT/ 12-19-01 10/24/12 Method of Compliance N/A by Engine S/N as listed in MSB. Next Due N/A Date 7-30-2014 SB # MSB 569A Cert. # A/P 426060036 Signature TURBINE WHEEL HEAD AND SHAFT WELDED JOINT/ 13-21-02 11/13/13 Method of Compliance N/A by P/N and S/N of Turbo. Date 7-30-2014 Next Due N/A SB # ASB 048 Cert. # A/P 426060036 Signature PROPELLER GOVERNOR IDLER SHAFT SET SCREW/ *15-02-07 03/11/15 N/A, Only applies to Aerobatic Engines. Method of Compliance Next Due No further action required. Date 8-11-2015 SB# Cert. # A/P 426060036 Signature / ENGINE EXHAUST PIPES AND TURBOCHARGER MOUNTING 15-10-06 07/02/15 BRACKET/ Method of Compliance N/A by Engine Mdl. and S/N. Next Due N/A Date 8-11-2015 Signature (Cert. # A/P 426060036 *15-19-07 EXTERNAL FUEL INJECTOR LINES/ 11/03/15 Method of Compliance CW by inspection. Next Due Every 100hrs. Or anytime Date 11-15-2017 SB # MSB 342A-F maintenance is performed on or around injector lines or clamps. Cert. # A/P 426060036 Signature EXHAUST SYSTEM FLANGE NUTS TORQUE AND SYSTEM INTEGRITY/ *17-11-10 06/28/17 Method of Compliance N/A by Engine Model Number. Next Due No further action required. Date 11-15-2017 SB # MSB 627C Cert. # A/P 426060036 Signature ENGINE CONNECTING ROD ASSEMBLIES INTEGRITY/ 17-16-11 08/15/17

Signature

Method of Compliance N/A by Engine S/N, as listed in Table 1 of MSB.

SB # MSB 632B

Date 11-15-2017

Next Due N/A

Cert. # A/P 426060036

Prepared by

Date 11-15-2017

^{*} Indicates possible recurring inspections Tdata, Inc TIO-540-AK1A Front Page 2 of 2

AIRCRAFT RECORDS - DO NOT DESTROY

Company

Smokey Mountain Aviation

Manufacturer

MCCAULEY INDUSTRIAL CORP.

Model

B3D36C442/80VSRB-1

Location Tail#

Front N613ES 042555

Serial #

Blade **TSMOH**

Total Time

THA THE CURRENT ADS and Times on Alect SMA OFFICE

05-14-11

08/17/05

MAINTENANCE AND REPAIR BY SOUTHERN CALIFORNIA

PROPELLER SERVICE/

Method of Compliance N/A, Not repaired by Southern California Propeller Service.

Next Due N/A

Signature

Date 7-30-2014

Cert. # A/P 426060036

06-24-07

01/03/07

INSPECTIONS AND REPAIRS BY CSE AVIATION/

Method of Compliance N/A, Not Repaired by CSE.

Signature (

Date 7-30-2014

Next Due N/A

Cert. # A/P 426060036

Prepared by Leuton

30-2014 11-15-2017

AIRCRAFT RECORDS - DO NOT DESTROY

Company Manufacturer Smokey Mountain Aviation CESSNA AIRCRAFT CORP.

Model Tail#

T182T N613ES

Serial # **Current Time** T18208424 Hobbs: 821.8 / Tach: 747.2

Total Time A/C Cert. Date 717.2 8-09-2005

current ADS + Times on file at SMA office

04-15-18

09/12/04

AFM, KAP140 AUTOPILOT COMPUTER SOFTWARE/

Method of Compliance N/A by Aircraft S/N.

Date 7-30-2014

Next Due N/A

Signature / 1

Cert. # A/P 426060036

05-05-53 R1

03/21/05

FLIGHT CONTROL SYSTEM RIGGING/

Method of Compliance N/A by aircraft S/N.

Date 7-30-2014

Next Due N/A

Cert. # A/P 426060036

Signature

08/09/05

MAIN ELECTRICAL POWER JUNCTION BOX CIRCUIT BREAKERS/

Method of Compliance N/A by Aircraft S/N.

SB# Signature

05-13-10

Date 7-30-2014

Next Due N/A

Cert. # A/P 426060036

07-05-10

04/11/07

CREW SEAT BACK CYLINDER LOCK ASSEMBLY/

Method of Compliance PCW IAW attach fitting mod. as per. SB.

SB # SB 04-25-01 R4 and 07-25-04

Date 5-24-2007

Next Due N/A

Cert. # A/P 426060036

07-08-03

Signature (345)

Signature (

05/02/07

ENGINE COMPARTMENT FLEXIBLE FUEL HOSE END FITTINGS/

Method of Compliance PCW by Inspection.

SB#

Date 9-04-2008

Next Due N/A

Cert. # A/P 426060036

08-02-18

02/28/08

PARACHUTE SYSTEM PICK-UP COLLAR SUPPORT AND SCREWS/

Method of Compliance N/A, No parachute Installed.

Next Due N/A

Signature

Date 7-30-2014

Cert. # A/P 426060036

08-05-09

Signature

04/08/08

SEAT BASE/BACK ATTACH BRACKET/

SB# SB07-25-04

Method of Compliance PCW by Repair of seat suport bracket as per. SB. Date 8-09-2007

Next Due N/A

Cert. # A/P 426060036

08-10-02

05/12/08

ALTERNATE STATIC AIR SOURCE SELECTOR VALVE/

Method of Compliance N/A by aircraft S/N.

Next Due N/A

Signature

Date 7-30-2014

Cert. # A/P 426060036

7-30-2014 11-15-2017

08-26-10

01/05/09

PLACARD, ALTERNATE STATIC AIR SOURCE SELECTOR VALVE ID

PLACARD/

Method of Compliance PCW by inspection of placard.

Date 10-06-2009

Next Due N/A

Cert. # A/P 426060036

*13-11-11

08/01/13

ENGINE OIL PRESSURE SWITCH/

Signature (

Signature CA

Method of Compliance N/A by sender type, P/N P165-5281 installed. Date 7-30-2014

Next Due No further action required.

Cert. # A/P 426060036

Prepared by 1 keton

Date 7-30-2019 11-15-2017

appliances AIRCRAFT RECORDS - DO NOT DESTROY Smokey Mountain Aviation Company N613ES Tail# *84-26-02 INDUCTION AIR FILTERS 01/29/85 PAPER AIR FILTERS PAPER INDUCTION AIR FILTERS/ Method of Compliance CW by Inspection of filter and TIS. Next Due Replace every Date 12-01-2010 / Tach: 411.8 SB# 500hrs TIS. Cert. # A/P 426060036 Signature ACS PRODUCTS COMPANY *93-05-06 04/29/93 IGNITION SWITCHES IGNITION SWITCHES/ Method of Compliance N/A by Aircraft mdl, and switch P/N. Next Due No further action Date 7-30-2014 SB# required. Cert. # A/P 426060036 Signature SLICK ELECTRO, INC. *99-04-04 02/25/99 **MAGNETOS** MAGNETO IMPULSE COUPLING/ Method of Compliance N/A by Engine Mdl. and Mag P/N. Next Due No further action Date 7-30-2014 SB# required. Cert. # A/P 426060036 Signature CRANE/LEAR ROMEC *03-14-03 08/14/03 "AN" ROTARY FUEL PUMP ROTARY FUEL PUMP RELIEF VALVE SCREWS/ Method of Compliance N/A by P/N and S/N of pump. Next Due No further action Date 7-30-2014 required. Cert. # A/P 426060036 Signature PRECISION AIRMOTIVE LLC *09-02-03 02/09/09 **RSA-5 SERIES** FUEL INJECTOR SERVO PLUG AND GASKET/ Method of Compliance N/A by Date of Manufacture, dated 8-09-2005. Next Due No further action Date 7-30-2014 required. Cert. # A/P 426060036 Signature SLICK ELECTRO, INC. 11-26-07 01/24/12

MAGNETOS

MAGNETO IMPULSE COUPLING STOP PIN/

Method of Compliance N/A by Mag Mdl.

SB#

Signature

Date 7-30-2014

2014 11-15-2017

Next Due N/A

Date

Page 1 of 1

Cert. # A/P 426060036

N613ES

AIRFRAME

Company Manufacturer Mesquite Aircraft Sales & Service CESSNA AIRCRAFT CORP.

Model Serial # T182T

T18208424

Tach Time

Tach-903.8

A/C Cert. Date

2005

Total Time Hobbs-1028.6

Tail Number N613ES

AD# Effective	Subject	Date & Hours @ Compliance	Method Of Compliance	0	R	Next Comp @ Hrs/Date	Authorized Signature & Number
03-24-13 01/20/04	SUPERSEDED BY AD 2004-15-18/	12-09-2019 HM 1028.6	A.D SUPERSEDED BY AD 2004-15-18	Х		N/A	11
04-15-18 09/12/04	AFM, KAP140 AUTOPILOT COMPUTER SOFTWARE/	12-09-2019 HM 1028.6	A.D. Not applicable by aircraft serial number.	Х		N/A	Martin J. Sisk A&R/LA. 2820585
05-05-53 03/04/05	REVISED BY AD 2005-05-53 R1/	12-09-2019 HM 1028.6	Revised by A.D. 2005-05-53 R1	Х		N/A	7 1 1 1 1 1
05-05-53 R1 03/21/05	FLIGHT CONTROL SYSTEM RIGGING/	12-18-2019 HM 1028.6	A.D. Not applicable by serial number.	×		N/A	Complied by other
0 5-13-10 08/09/05	MAIN ELECTRICAL POWER JUNCTION BOX CIRCUIT BREAKERS/	12-18-2019 HM 1028.6	A.D. Not applicable by serial number	Х		N/A	Complied by other
0 6-17-04 09/01/06	SUPERSEDED BY AD 2007-08-03/	12-09-2019 HM 1028.6	SUPERSEDED BY A.D. 2007-08-03	Х		N/A	
0 7-05-10 04/11/07	CREW SEAT BACK CYLINDER LOCK ASSEMBLY/	12-18-2019 HM 1028.6	PCW as per SB 04-25-01 R4	х		N/A	Complied by other
07-08-03 05/02/07	ENGINE COMPARTMENT FLEXIBLE FUEL HOSE END FITTINGS/	12-18-2019 HM 1028.6	A.D. PCW SEE LOG ENTRY 8-9-2007	X		N/A	Complied by other
08-02-18 02/28/08	PARACHUTE SYSTEM PICK-UP COLLAR SUPPORT AND SCREWS/	12-18-2019 HM 1028.6	A.D. Not applicable as affected parts not installed.	Х		N/A	Complied by other
08-05-09 04/08/08	SEAT BASE/BACK ATTACH BRACKET/	12-18-2019 HM 1028.6	A.D. P.C.W. SEE LOG ENTRY 08-09- 2007	Х		N/A	Complied by other
08-10-02 05/12/08	ALTERNATE STATIC AIR SOURCE SELECTOR VALVE/	12-18-2019 HM 1028.6	A.D. Not applicable by S/N	X		N/A	Complied by other
08-26-10 01/05/09	PLACARD, ALTERNATE STATIC AIR SOURCE SELECTOR VALVE ID PLACARD/	12-18-2019 HM 1028.6	A.D. P.C.W. on 10-06-2009	Х		N/A	Complied by other
13-11-11 08/01/13	ENGINE OIL PRESSURE SWITCH/	12-16-2019 HM 1028.6	Complied with by inspection P/N 83278 switch installed. Replacement due at 3000 hrs T.T.		X	N/A	Martin 1/sisk A&PII.A/2820585

Prepared by Mr Sisk

Date 12/18/2019

ENGINE – Center

Company Manufacturer Model

Mesquite Aircraft Sales & Service

TEXTRON LYCOMING TIO-540 SERIES

Center Location Serial # L-12010-61E **TSMOH**

-	T 4 1 TT	000 0
-	Total Time	903.8

AD# Effective	Subject	Date & Hours @ Compliance	Method Of Compliance	0	R	Next Comp @ Hrs/Date	Authorized Signature & Number
71-13-01 06/22/71	RESCINDED BY AD 71-13-01 R1/	12-16-2019 HM 1028.6	RESCINDED BY AD 71-13-01 R1	X		N/A	M. 1/
71-13-01 R1 03/08/12	FUEL INJECTION LINES/	12-16-2019 HM 1028.6	A.D. Not applicable by engine serial number	X		N/A	Martin J. Sisa A&P/I A/ 2820585
73-23-01 01/13/77	[R4] PISTON PIN/	12-16-2019 HM 1028.6	A.D. N/A-NOT INSTALLED	Х		N/A	Complied by other
75-09-15 04/30/75	FUEL INJECTOR FLOW DIVIDER COVER/	12-16-2019 HM 1028.6	A.D. N/A-NOT INSTALLED	Х		N/A	Complied by other
91-14-22 08/19/91	SUPERSEDED BY AD 2004-10-14/	12-16-2019 HM 1028.6	SUPERSEDED BY A.D. 2004-10-14		Х	N/A	
92-12-05 07/10/92	PISTON PIN RECALL/	12-16-2019 HM 1028.6	A.D. N/A BY MODEL	Х		N/A	Complied by other
9 3-02-05 06/14/93	SUPERSEDED BY AD 2002-26-01/	12-16-2019 HM 1028.6	SUPERSEDED BY A.D. 2002-26-01		Х	N/A	
*93-05-22 05/11/93	SUPERSEDED BY AD 2002-26-01/	12-16-2019 HM 1028.6	SUPERSEDED BY A.D 2002-26-01		Х	N/A	
93-11-11 06/21/93	LOW AND HIGH PRESSURE DIAPHRAGM FUEL PUMPS/	12-16-2019 HM 1028.6	A.D. N/A-NOT INSTALLED	X		N/A	Complied by other
97-01-03 01/21/97	SUPERSEDED BY AD 97-15-11/	12-16-2019 HM 1028.6	SUPERSEDED BY A.D. 97-15-11	X		N/A	
9 7-15-11 08/12/97	PISTON PIN RECALL/	12-16-2019 HM 1028.6	A.D. Not applicable-Not Installed	X		N/A	Complied by other
98-18-12 09/28/98	SUPERSEDED BY AD 2003-14-03/	12-16-2019 HM 1028.6	SUPERSEDED BY AD 2003-14-03		х	N/A	
°00-18-53 09/05/00	SUPERSEDED BY AD 2002-12-07/	12-16-2019 HM 1028.6	SUPERSEDED BY AD 2002-12-07		Х	N/A	
02-04-51 02/11/02	SUPERSEDED BY AD 2002-17-53/	12-16-2019 HM 1028.6	A.D SUPERSEDED BY A.D. 2002-17-53	Х		N/A	A. M.
*02-12-07 07/03/02	OIL FILTER CONVERTER PLATE GASKET/	12-16-2019 HM 1028.6	A.D. Not applicable by engine model and D.O.M.		Х	N/A	Martin J. Sisk A&D/I A. 2820586

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02-17-53 08/16/02	SUPERSEDED BY AD 2002-19-03/	12-16-2019 HM 1028.6	SUPERSEDED BY AD 2002-19-03	X		N/A	
02-19-03 09/20/02	CRANKSHAFT MATERIAL TEST/	12-16-2019 HM 1028.6	A.D. Not applicable by engine model	Х		N/A	Complied by other
02-20-51 10/01/02	SUPERSEDED BY AD 2002-23-06/	12-16-2019 HM 1028.6	SUPERSEDED BY AD 2002-23-06	Х		N/A	
02-23-06 11/19/02	SUPERSEDED BY AD 2004-05-24/	12-16-2019 HM 1028.6	SUPERSEDED BY AD 2004-05-24	Х		N/A	
*02-26-01 01/31/03	SUPERSEDED BY AD 2008-14-07/	12-16-2019 HM 1028.6	SUPERSEDED BY AD 2008-14-07		X	N/A	
*03-14-03 08/14/03	ROTARY FUEL PUMP RELIEF VALVE SCREWS/	12-16-2019 HM 1028.6	A.D. Not applicable due to pump not installed.		X	N/A	Complied by other
04-05-24 03/30/04	CRANKSHAFT GEAR RETAINING BOLT/	12-16-2019 HM 1028.6	A.D. Not applicable as affected parts not installed.	X		N/A	Complied by other
04-10-14 06/25/04	CORRECTED BY AD 2004-10-14 C1/	12-16-2019 HM 1028.6	A.D. Not applicable until Prop Strike or overhaul occurs.	Х		N/A	Martif J. Sisk A& P.I.A. 2820585
*04-10-14 C1 06/25/04	CRANKSHAFT GEAR AND GEAR RETAINING BOLT/	12-16-2019 HM 1028.6	A.D. Not applicable until Prop Strike or overhaul occurs.		X	N/A	Martin J. Siski ASPA A. 2820585
05-19-11 10/21/05	300 HORSEPOWER OR LOWER CRANKSHAFTS/	12-16-2019 HM 1028.6	A.D. Not applicable due to engine serial number.	Х		N/A	Martin V Sist A&PILA. 2820585
05-26-10 01/31/06	SUPERSEDED BY AD 2006-12-07/	12-16-2019 HM 1028.6	SUPERSEDED BY AD 2006-12-07	X		N/A	Jivo J Ju
06-12-07 07/11/06	ENGINE COMPONENTS, INC. P/N AEL65102 "CLASSIC CAST" CYLINDERS/	12-16-2019 HM 1028.6	A.D. Not applicable-Not Installed	X		N/A	Complied by other
06-20-09 11/03/06	SUPERSEDED BY AD 2012-19-01/	12-16-2019 HM 1028.6	SUPERSEDED BY A.D. 2012-19-01	Х		N/A	100
08-08-17 05/06/08	TURBINE HOUSING EXHAUST FLANGE/	12-18-2019 HM 1028.6	A.D. Not applicable by component not installed	X		N/A	Martin J Sisk A&P/I/A. 2820585
*08-14-07 08/14/08	SUPERSEDED BY AD 2011-26-04/	12-16-2019 HM 1028.6	SUPERSEDED BY AD 2011-26-04		Х	N/A	7,4,4
* 08-19-05 10/20/08	SUPERSEDED BY AD 2009-26-12/	12-16-2019 HM 1028.6	SUPERSEDED BY AD 2009-26-12		Х	N/A	ΛΛ 1./
*09-26-12 02/04/10	ENGINE COMPONENTS, INC. P/N AEL65102 "TITAN" CYLINDERS/	12-16-2019 HM 1028.6	A.D Not applicable-No record of cylinder replacement since new and no engine overhaul.		X	N/A	Martin J/Sisk AAP//.A. 2820585
11-13-03 07/13/11	MACHINING DEBRIS IN TURBOCHARGER CAVITIES/	12-16-2019 HM 1028.6	A.D. N/A IAW 2011-13-03 par (h)	Х		N/A	Complied by other
11-15-10 08/16/11	SUPERSEDED BY AD 2012-03-06/	12-16-2019 HM 1028.6	SUPERSEDED BY AD 2012-03-06	Х		N/A	00 611
*11-26-04 01/25/12	SUPERSEDED BY AD 2015-19-07/	12-16-2019 HM 1028.6	Superseded by AD 2015-19-07		Х	N/A	Maylin J. 5/sk A&P/I.A. 2820585
12-03-06 02/24/12	AFS FUEL SERVO DIAPHRAGM/	12-16-2019 HM 1028.6	A.D Not applicable due to fuel servo P/N see log entry May 2012	X		N/A	Complied by other

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Prepared by

Date 1/18/2010

N613ES

Page 4 of 6

12-24-09 12/20/12	SUPERSEDED BY AD 2013-21-02/	12-16-2019 HM 1028.6	SUPERSEDED BY A.D. 2013-21-02	X		N/A	Complied by other
13-21-02 11/13/13	TURBINE WHEEL HEAD AND SHAFT WELDED JOINT/	12-16-2019 HM 1028.6	A.D. Not applicable due to affected part not installed.	X		N/A	Martin J. Sisk A&P/I.A. 2820585
* 15-02-07 03/11/15	PROPELLER GOVERNOR IDLER SHAFT SET SCREW/	12-16-2019 HM 1028.6	A.D. Not applicable by engine model		Х	N/A	Martin J. Sisk A&P/I.A. 2820585
15-10-06 07/02/15	ENGINE EXHAUST PIPES AND TURBOCHARGER MOUNTING BRACKET/	12-16-2019 HM 1028.6	A.D. Not applicable by engine model	X		N/A	Martin J. Sisk A&P/I.A. 2820585
* 15-19-07 11/03/15	EXTERNAL FUEL INJECTOR LINES/	12-16-2019 HM 1028.6	A.D. complied with by inspection. No defects noted. Next due HM 1128.6		X	12-2019 and/or HM 1128.6	Martin J. Sisk A&P/I.A. 2820585
*17-11-10 06/28/17	EXHAUST SYSTEM FLANGE NUTS TORQUE AND SYSTEM INTEGRITY/	12-16-2019 HM 1028.6	A.D. Not applicable by engine model		Х	N/A	Martin J. Sisk A&P/I.A. 2820585
17-16-11 08/15/17	ENGINE CONNECTING ROD ASSEMBLIES INTEGRITY/	12-16-2019 HM 1028.6	A.D. Not applicable by engine erial number.	Х		N/A	Martin J. Sisk A&P/I.A. 2820585

Prepared by Sisk

PROPELLER - Center

Company Manufacturer Mesquite Aircraft Sales & Service MCCAULEY INDUSTRIAL CORP.

Model Location B3D36C SERIES

Center N613ES Blade TSMOH

Total Time

Tail # Serial #

80VSB-1

903.8

Tail Number N613ES

AD# Effective	Subject	Date & Hours @ Compliance	Method Of Compliance	0 1	R Next Comp @ Hrs/Date	Authorized Signature & Number
05-14-11 08/17/05	MAINTENANCE AND REPAIR BY SOUTHERN CALIFORNIA PROPELLER SERVICE/	12-09-2019 Hobbs 1028.6	A.D. not applicable due to no maintenace performed by Southern California Prop	X	N/A	Martin J. Sisk A&Pil A 2820585
06-24-07 01/03/07	INSPECTIONS AND REPAIRS BY CSE AVIATION/	12-09-2019 Hobbs 1028.6	A.D. not applicable due to no maintenace performed by CSE Aviation	X	N/A	Martin J., Sisk A&P I.A, 2820585

Prepared by M. Sis/L

Date 18/2019

APPLIANCES

Company

Mesquite Aircraft Sales & Service

Tail #

N613ES

AD# Effective	Subject	Date & Hours @ Compliance	Method Of Compliance	0	R	Next Comp @ Hrs/Date	Authorized Signature & Number
*84-26-02 01/29/85	PAPER INDUCTION AIR FILTERS/	12-16-2019 HM 1028.6	A.D. complied with by replacement of air induction filter. Next inspection due HM 1128.6. Replacement HM 1528.6		Х	HM 1128.6	Martin J. Sisk A&P/.A. 2820585