Date	Total Time Time Since Last Overhaul			Engine Service and Maintenance Record			
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins		
6-95-01							
Hebbs T-T		1	ame		1543934 3\$56		
		insta	Hoch	@ /n	one with new mounts heres		
	1010		auled	216.	sellers and pro son ser air frame		
		109	7415	da			
		ļ		41	120 803503 de Cay		
		10 1		1 1			
		Replac	ect c	Flat-	AP470803501 Liga Coly		
_			(5)				
3975		oil i	574	12 (1	unge 1870 50 3507 Ggs Cly		
				(a)			
	·	DAT	1703B	1 100	AVC HRS. <u>4085.3</u> N# <u>429.3X</u>		
	_	_			Book.		
	_	0	, 0/05		5xh strocks on #1-#2#3		
		HZ/#	PINE		Al' - CI		
		4 4	5 Cc	11501	Adj Fins fiel press		
		76 S	PISC	56			
	_			**			
				3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	- Figure		
	– F	or pertine			naintenance action reference		
	V	Vork Orde	r(s) 7	927	Des Moines Flying Service, Inc. Des Moines, Iowa		
	– s	igned:	AL.	M.T	FAA Approved Repair Station		
					seved in Lieu of Legicoli Brity.		
				1000			
			-				
		 					
	- 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	-					
							
			ette				
			18				

Date	Total	Time		Since verhaul	Engine Service and Maintenance Record
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
Brought Forward		-			
8-21-02	No	<i>3</i> 35	4191.0		77. 235.6
					ION COMPCETED THIS DATE
2	DRI	PINE	DC	16 4	CHANGED FICTER. SERVICED WITH
-		TS	OF		OSAEU ISUSO
3,		PCHE		175	
4	-	ZACE	DCA	RBON	BRUSH RESET POINTS AND INTERNALLY
	71A	2000	1		S. RETIMED MAG TO ENGINE.
,ک	KU.	UC	PG	100	
					certify that this are all the last been
					THE COURT OF THE PARTY OF THE P
					determined to be in an airworth
				3) 3)	condition.
					Mark Sollies
					3584635674
183 0 0 203	, ,	0000	021	10 Q	7020
<u> </u>		OBBS Sive			top on Left Engine Left Magneto
j j		ark Ark	Ma	2 0	
	3 <u>01</u> 30		2,UZ	illed	EMOVEDant CLEANED and Inspected
20	Aid	200	7 G	found	Run performed, problem Still Exists
3.	Le	4+ W	10900	t ots	Removed and Breaker points
	Pal	lace	d 4	991	pped (P/N ES10-382585)
Ц.	M_{i}	2906	stos	Fin	
5 ₀	Ga	ound	Run	, Cc	mplated, ALLOK.
					The maintenance described unuse and been
					The state of the properties of the state good and the
					otaniards of dividenthinase.
					Frank Felion MORHUSH
					Constitution Library
					3202 263-99- ABA-E
				-	
					1

ENGINE MODEL: ENGINE S/N (L): REG. NO: 4293X WORK ORDER: 4627



Fargo Jet Center, Inc.

3802 20th St North Fargo, ND 58102 Phone: 701-235-3600

Repair Station No. CTUR016D

DATE: 9/16/2003
TTA:
TTE (L):
HOBBS: 4365 F

1 Maintenance Record

hiness	Directives,	Special	Inspections
		-	10 9070

L	eft	En	gin	eЕ	nt	rie
				~ -		

(2) C/W 100 hour insp. of L/H engine.... (6) C/W Compression check L/H engine. #1 71, #2 69, #3 71, #4 72, #5 74, and #6 75 all over 80.... (8) Drain oil & remove filter L/H engine. Installed a new CH48108 oil filter and serviced with 8 Qts of Aeroshell 15w50 oil. Insp. removed filter no defects noted at this time. Performed ground run no leaks noted at this time.... (21) Tightened L/H engine oil cooler tension block...

Date: 1/405 Hobbs: 43605 TT: 409.5 TSO: 1/A | Lectify that this Eugine has bee accordancewith an 100 4 inspection and was determined to be in an airworthy condition. Work Orde accordancewith an 100 4-4627 Signed: 27 Repair Station No. CTUR016D forFargo Jet Center, Inc.3802 20Th ST. NorthFargo, ND 58102FAA Approved

DATE: 9/16/2003

SIGNED:

WORK ORDER: 4627

Printed by EBis (http://www.datcomedia.com)



D.L. Aviation, Inc. 24813 Hwy 10 West Detroit Lakes, MN 56501 Ph: 218-847-3233 Fax: 218-847-8299

N4293X Date: 10/15/2004 Hobbs: 4485.9 Left Engine TT: 529.9

- → C/W a 100-Hour Inspection IAW Piper Model PA34-220T Maintenance manuals.
- → Drained oil and removed filter installed new filter PN: CH48108 and serviced with 8 qts. Aeroshell 15W50 oil.
- → Compression checks #1-75, #2-73, #3-70, #4-70, #5-75, #6-75 all readings taken over 80 psi.
- → Replaced all engine flexible fluid carrying hoses with new.
- → Replaced all spark plugs with new PN: URHM38E.
- → Replaced engine induction air filter with new PN: BA-3.
- → Replaced L/H magneto with a rebuilt unit PN: BL-500556-103 SN: Do4LA094R see Teledyne Continental Motors W/O# P74914 dated 12/10/2004 for details of the repair.
- → Replaced three (3) airbox camlock assemblies with new PN: 494-060 and 487-724.
- → All work performed IAW Piper and other required maintenance manuals.
- → Ground run-up leak and functional checks ok.

 Date:
 10/15/2004
 Hobbs Mtr.
 4485.9
 TT:
 529.9

 ISO:
 New
 I certify that this
 Left Engine

Signed: NA

as been inspected in accordance with a 100-Hour nspection and was determined to be in an airworthy condition. D.L. Aviation, Inc. 24813 Hwy 10 West Detroit Lakes, MN 56501

	•	Installed	10/15/	04
H	4	Hobbs: 4485.	.9	
		N4293	3 <u>/</u>	

Approving National Authority/Co	States	AUTHORIZED RELE FAA Form 8130-3, AIRWOR
4. Organization Name and Addro	_ A T	yne Continental Moto Box 90 e, Alabama 36601
6. Item: 1	7. Description MAGNETO	
10 Quantity 11. Serial/Batch Num 1 DO4LiAO		94R

1	ļ		12	4		
				u	<u></u>	
						
						· · · · · · · · · · · · · · · · · · ·
						-
				· · · · · · · · · · · · · · · · · · ·		
	23 3000000			,		
 <u></u>	L	l	<u> </u>			

Î

N4293X TACH 4738.6 TSMOH 782.6 DATE 6/7/07	Inspections, Airworthiness Directives, Special Inspections,
DRAINED OIL AND SERVICED WITH 8 QTS 15W50 AEROSHELL	s and Service Bulletins
DEMOVED AND REPLACED OIL FILTER IN CHASTOS-1	
AD RESEARCH COMPLETED THRU THIS DATE	
SEE AD LIST FOR COMPLIANCE	
COMPRESSION CHECK ALL CYL 78/80 OR BETTER REMOVED AND REPLACED AIR FILTER PN BA-3	
certify that this engine has been inspected iaw a 100 hr inspection and found to be	
m an airworthy condition	
Signed Mad June 3204 76.4 Date 6/1/07	
Signed 1 104	
Detroit Lakes Aviation	
24813 Hwy 10 West	
Detroit Lakes MN 56501	
075 5 TO A FEET 0/11/00	
N4293X HOBBS 4831.5 TSMOH 875.5 DATE 8/11/08	
1 1 4 G. AD list for compliance	
Completed AD search thru this date. See AD list for compliance. Compression check Cyl # 1 76/80 #2 79/80 #3 70/80 #4 73/80 #5 74/80 #6 75/80	
The state of the s	N 1
qts. Aeroshell 15W50. Cut filter open, no unusual contaminates noted at this time.	
I certify that this engine has been inspected IAW a 100 hr inspection and was found	
I certify that this engine has been inspected IAW a 100 in inspected to be in an airworthy condition	
of the selute	
Signed Must be Asp 324764 Date E/11/28	
Detroit Lakes Aviation	
24813 Hwy 10 W	
Detroit Lakes MN 56501	
N4293X HOBBS 4890.5 SMOH 934.5 DATE 8-19-09	
AD search completed thru this date. See AD list for compliance.	
Compression Check all Cyl 75/80 or better	
Drained oil and serviced with 8 qts Aeroshell 15W50	
Removed and replaced oil filter P/N CH48108-1	
Removed and replaced air filter P/N BA-3	
•	
I certify that this engine has been inspected IAW a 100 hr	
inspection and was found to be in an airworthy condition	
me let	
Signed Mark 1/2 ASP 3201764 Date 8/19/09	
Detroit Lakes Aviation	
24813 Hwy 10W	
Detroit Lakes MN 56501	1900-1904
	

Service and Maintenance Record

DETROIT LAKES

24813 Hwy 10W Detroit Lakes MN 56501

N4293X HOBBS 4998.5 SMOH 1042.5 DATE 9-23-10

AD search completed thru this date. See AD list for compliance. Compression test. Cyl #1 74/80 #2 70/80 #3 70/80 #4 70/80 #5 75/80 #6 74/80 Removed and replaced air filter

I certify that this engine has been inspected in accordance with a 100 hr inspection and was found to be in an airworthy condition

Detroit Lakes Aviation 24813 Hwy 10 W

DETROIT LAKES

Detroit Lakes MN 56501

24813 Hwy 10W Detroit Lakes MN 56501

Left engine Hobbs 5085.3

Signed July

N4293X

Date 11/9/2011

TSOH- 1129.3

Performed compression check. Results as follows: #1-72/80, #2-70/80, #3-72/80, #4-70/80, #5-75/80 and #6-75/80. Drained oil, replaced oil filter with new CH48108-1. Cut filter open and inspected. No unusual contaminates noted at this time. Serviced engine with 8at, XC 20w50. Ground ran aircraft. Operational and leak checks good. Ad search complied with thru this date. I Certify that this aircraft engine has been inspected in accordance with 100 hr. inspection and was determined to be in airworthy condition.
Signed The Carlos Date 111-11

Erik Carlson A&P 2826620

DETROIT LAKES

24813 Hwy 10W Detroit Lakes MN 56501

N4293X June 7, 2012 Tach-5110.8

Orained oil on LH engine, replaced filter with new CH48108-1. Cut ilter no unusual contaminates noted at this time. Serviced with 8 quarts of Aeroshell 15W50. Ground run aircraft ops and leak checks atisfactory.

Erik Carlson A&P 2826620

Left engine

N4293X

December 15, 2012

Hobbs 5154.7

TSOH- 1198.7

Performed compression check. Results as follows: #1-76/80, #2-70/80, #3-72/80, #4-68/80, #5-20/80 and #6-72/80. Drained oil, replaced oil filter with new CH48108-1. Cut filter open and inspected. No unusual contaminates noted at this time. Serviced engine with 8qt. Aeroshell 15W50. Removed #2 cylinder due to low compression. Sent to Bul-Doc aviation for repairs, see wo#26166 for details. Reinstalled cylinder IAW Continental Overhaul Manual. Ground ran aircraft. Operational and leak checks good. Ad search complied with thru this date.

I Certify that this aircraft engine has been inspected in accordance with 100 hr.

inspection and was determined to be in airworthy condition. Tall 1 alice

Erik Carlson A&P 2826620

24813 Hwy 10W Detroit Lakes MN 56501

N4293X November 8, 2013 Tach-5231.4

Drained oil on LH engine, replaced filter with new CH48108-1. Cut filter no unusual contaminates noted at this time. Serviced with 8 quarts of Aeroshell 15W50. Ground run aircraft ops and leak checks satisfactory.

Erik Carlson A&P 2826620

Date 11-8-2013

DETROIT LAKES

24813 Hwy 10W Detroit Lakes MN 56501

Left engine

N4293X

January 4, 2014

Hobbs 5258.2 TSOH- 1302.2

Performed compression check. Results as follows: # 1-75/80, # 2-15/80, #3-79/80, #4-72/80, #5-**79**/80 and #6-76/80. Removed #2 cylinder due to low compression. Sent to Bul-Doc aviation for repairs, see wo#27111 for details. Reinstalled cylinder IAW Continental Overhaul Manual. Ground ran aircraft. Operational and leak checks well. Ad search complied with thru this date. I Certify that this aircraft engine has been inspected in accordance with 100 hr. inspection and was determined to be in airworthy condition

Signed Cull (And Son

Erik Carlson A&P 2826620

-CH481C8-1. Serviced engine Cut filter open, found no unusual and leak checks good.

Date 5/14/14

24813 Hwy 10 West Detroit Lakes, MN 56501

DETROIT LAKES

24813 Hwy 10W Detroit Lakes MN 56501

N4293X May 14, 2014 Hobbs 5286.5

Famoved LH engine driven fuel pump and sent out for repairs. See D&G Supply ... T= 19274 for repair details. Reinstalled and set fuels IAW Teledyne Continental 33 Operational and leak checks satisfactory.

Er c Carlson A&P 2826620

DETROITLAKES

24813 Hwy 10W Detroit Lakes MN 56501

N4293X August 14, 2014 Hobbs 5320.5

Leplaced LH vacuum pump with overhauled unit. PN AA441CC-7, SN-06DJ02. See Aeto Accessories, Inc. work order #106DJ-0000 for overhaul details. Operational and

eak checks satisfactory

Erik Carlson A&P 2826620

24813 Hwy 10W Detroit Lakes MN 56501

Left engine

N4293X January 1, 2015 Hobbs 5358.4 TSOH 1402.4 Performed compression check. Results as follows: #1-70/80, #2-70/80, #3-72/80, #4-65/80, #5-70/80 and #6-72/80. Drained oil, replaced oil filter with new CH48108-1. Cut filter open and inspected. No unusual contaminates noted at this time. Serviced engine with 8qt. Aeroshell 15W50. Replaced magnetos with Continental overhauled magnetos, new wire harnesses and new URM38E plugs. Ground ran aircraft. Operational and leak checks good. Ad search complied with thru this date.

I Certify that this aircraft engine has been inspected in accordance with 100 hr.

inspection and was determined to be in airworthy condition.

Signed Date 1-1-2015

Erik Carlson A&P 2826620

24813 Hwy 10W Detroit Lakes MN 56501

Left engine

N4293X March 1, 2016 Hobbs 5465.9 TSOH 1509.9

Performed compression check. Results as follows: #1-70/80, #2-74/80, #3-60/80, #4-68/80, #5-79/80 and #6-70/80. Drained oil, replaced oil filter with new CH48108-1. Cut filter open and inspected. No unusual contaminates noted at this time. Serviced engine with 8qt. Aeroshell 15W50. Replaced o/b exhaust gaskets with new. Ground ran aircraft. Operational and leak checks good. Ad search complied with thru this date.

I Certify that this aircraft engine has been inspected in accordance with 100 hr.

Erik Carlson A&P 2826620

24813 Hwy 10W Detroit Lakes MN 56501

Left engine

N4293X April 1, 2017 Hobbs 5492.0 TSOH 1536.0

Performed compression check. Results as follows: #1-76/80, #2-75/80, #3-72/80, #4-66/80, #5-78/80 and #6-66/80. Drained oil, replaced oil filter with new CH48108-1. Cut filter open and inspected. No unusual contaminates noted at this time. Serviced engine with 8qt. Aeroshell 15W50. Ground ran aircraft. Operational and leak checks good. Ad search complied with thru this date. I Certify that this aircraft engine has been inspected in accordance with 100 hr.

inspection and was determined to be in airworthy condition. 7 _Date 4

Erik Carlson A&P 2826620

DETROIT LAKES

24813 Hwy 10W Detroit Lakes MN 56501

Left engine

N4293X August 31, 2017 Hobbs 5545.0 TSOH 1589.0

Drained oil, replaced oil filter with new AA48108-2. Cut filter open and inspected. No unusual contaminates noted at this time. Serviced engine with 8qt. Aeroshell 15W50. Cleaned fuel injectors. Replaced injector orings P/N 630979-9 and rubber washers P/N 633958-3. Set fuel IAW TCM SID97-3E. Ground ran aircraft. Operational and leak checks good.

Signed Signed Mark Bergen A&P 320476

_____Date 8/31/17

DETROIT LAKES N# 4293 X TT- Hobbs- 5596. 4

Drained oil, replaced filter with new unit P/N-C448/D3-Z-Serviced engine with 8 quarts of Aeroshell 15W50. Cut filter open, found no unusual 24813 Hwy 10W Detroit Lakes MN 56501 contaminates at this time Ground run and leak checks good. Left engine N4293X August 15, 2018 Hobbs 5613.3 TSOH 1657.3 Performed compression check. Results as follows: # 1-78/80, # 2-74/80, #3-70/80, #4-65/80, #5-79/80 and #6-78/80. Ground ran aircraft. Operational and leak checks good. Ad search complied with thru this date. 24813 Hwy 10 West Detroit Lakes, MN 56501 I certify that this aircraft engine has been inspected in accordance with 100 hr. inspection and was determined to be in airworthy condition. 24813 Hwy 10W Detroit Lakes MN 56501 Left Engine N4293X Hobbs 5642.9 TSOH 1686.9 September 5, 2019 Performed compression check. Results as follows: #1-75/80, #2-66/80, #3-72/80, #4-65/80, #5-74/80, #6-66/80. Drained oil. Replaced filter with new CH48108-1. Cut old filter. No unusual contaminates found at this time. Serviced with 8 quarts of Aeroshell 15W50. Ground run and operational checks satisfactory. AD search complied with thru this date. I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition.