N421 MY RIGHT



The Standard -ENGINE LOG

ASA-SE-2





QAS993 Rev. 0 (07/12/01)

ENGINE COMPONENTS, INC. 9503 Middlex San Antonio, TX 78217-5994 Tel: 210-820-8100 Fax: 210-820-8103 800-324-2359 admin@ed2flycom www.ed2flycom

SERVICEABLE

CONTINENTAL	Part Number	EC 6549659
narks FAA approved process as follows:	New Barrel Per:	Complied with:
CermiNito Process (MPP-9325)	☐ MPP-8175	TCM SB-M92-6
TR (MPP-9370)	☐ New Cylinder Head	CM SB-M85-9
Weld (MPP-9375)		☐ TCM SB M91-7
☐ Flange Comer Stud Hole Modificatio	n	☐ AD 94-05-05
per DWG AECS31397	+-	□ LYC SI 1297
Replacement parts per FAA approve	d applications listing	
Inspector Kullen A Qu	11/11	0/1-1
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ENGINE COMP		SERVICEABL
Tel: 210-820-8100 Fax: 210		
Tel: 210-820-8100 Fax: 210 admin@ed:21ly.com www.e FAA Certificated Repair Sta	tion No. AG2R689K	21143-1
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Tei: 210-820-8100 Fax: 210 admin@eci2fly.com with FAA Certificated Repair Sta	Serial Number	EC454965 EDH
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Tei: 210-820-8100 Fax: 210 admin@eci2fly.com with FAA Certificated Repair Sta	Serial Number	EC454965 SM

proved for return to s gned Rulun J	Aguilan	Date 2/13/16
	his Repair Station under Wo	ork Order No
		56706-1
Please call for your copy of E for service instructions, class	ECi's Class Reference Manual s s reference information and parts and s	or visit our web site at www.eci2fly.com
4.44		
I certify that the uni	it listed on the reverse side w	as repaired and inspected in
	it listed on the reverse side w urrent regulations of the FAA	
accordance with cu approved for return	urrent regulations of the FAA and to service.	and the part is Airworthy and
accordance with cu approved for return	urrent regulations of the FAA and to service.	

QAS993 Rev. 1 (05/20/0)

BenT

Engine Record General Information

Manufacturer's Recommended Overhaul at 1600 hours

lanufacturer TC	M.	Model	GT510.5204
		R Type Cert	tificate E7CE RVI
This engine is current	ly install	ed in aircraft: N 47	ZI MY.
		COLLOII Grade SummerCM	C NHS 248 Winter
Magneto Time	20	Point Setting	Firing Order
Snark Plug Gan			

ر0،	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
05		0.45	24.30	TRANSTO FROM BRITTON LCE BOOK
9			3 135	



SKY ENGINEERING LTD.

HANGAR 3A, COVENTRY AIRPORT, BAGINTON CV8 3AZ U.K.

LOGBOOK CERTIFICATE

Aircraft Type Cessna 421B

Aircraft Registration N421MY Right Engine GTSIO-520H Right Propeller 3AF34C.92/90 LF-0 Serial No. 421B-0356 Serial No235257-R Serial No. 900328 Total Hours 4772.30 Total Hours 24.10 Total Hours 516.05

The following work has been carried out on the above :-100 hour inspection to the manufactures schedule

FAA ADs checked through bi-weekly listing 2005-14, details recorded on separate log book entries.

FAA ADS checked through bi-weekly listing 2005-14 ,details recorded on separate log book entries Sump drained and system replenished with Aeroshell 15W50 oil

Oil filter renewed .part # CH48111 ,batch 648

Spark plugs serviced

Air filter cleaned and inspected

Exhaust system pressure tested and visually inspected

DETAILS OF ABOVE WORK IS HELD UNDER WORKS ORDER No. SEL 10264 AT SKY ENGINEERING

Maintenance Release Statement

The Aircraft, Airframe, Aircraft Engine, Propeller or appliance identified above was repaired and inspected in accordance with Current Regulations of the Federal Aviatic Administration and is approved for return to service

SIGN Mayer

AUTHORITY ARP 2590424IA DATE SEPT. 6, 2005

E S	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
1-64	0.0	2	61.1	BROOKELL 100W+ PILTER INST.
				7-16-500) 12142/203 APP
Date:	15-Apr-06	EAS	S.T. Avieties by	1833.5 TSMOH: 85.3 Total Time: Unknown 4015 N. Santa Arita Ave. El Monte, CA 91731 (626)575.3278 completed Concurrent with Annual / 100hr. Inspection. Oil change

completed this date, installed new CH48111-1, and serviced engine with 11 qts. Aeroshell W100. Cut & Inspected oil filter media, no contamination discovered. Installed new spark plugs Champion RHB32S 12 total. Replaced tail pipe and turbo bypass flexible joints with new from Knisley Welding. Pressure tested exhaust, no defects noted at this time. Verified magneto to engine timing. Degreased engine, nacelle, and cowling. Replaced engine induction air filter with new Donaldson air filter. Installed new engine air intake hoses from ram air scoop to air cleaner. Replaced badly deteriorated engine baffling with new silicon baffling. All components re-installed using new seals and gaskets. Routed and secured several engine wires and spark plug leads, replaced alternator terminal nipples. Replaced Throttle cable and Alternate Air control cable with new. Replaced tail pipe support clamps with new. Lubricated engine controls and waste gate.

TCM

Model:

GTSIO-520-H SN: 235257R

Brandon Weil A&P 2837076 for FAST Aviation

ENGINE MODEL: ENGINE S/N (R): REG. NO: 421MY WORK ORDER: 16749-06-2006

YE

DAT



Howard Aviation, Inc.

Repair Station No. TO3R874L 1401 Fairplex Drive La Verne, CA 91750 Phone: 909-593-2596 DATE: 7/21/2006 A/C TSN: ENG TT (R): HOBBS: 4841.9

Right Engine Entries

Removed components to get at two rear motor mount bolts. Removed nuts and cleaned all oil off of stud shaft. Packed shaft with gasket maker. Installed new hardware and torqued nuts to spec. Reinstalled all other components removed.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Reads 15460 nathor Repair Ordar 16734-06-2006.

DATE: 7/21/2006

SIGNED:

Work Order: 16749-06-2006

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: GTSIO 520 H ENGINE S/N (R): 235257 R REG. NO: 421MY WORK ORDER: 17079-09-2006



Howard Aviation, Inc.

Repair Station No. TO3R874L 1401 Fairplex Drive La Verne, CA 91750 Phone: 909-593-2596

Certified Repair Station No. TO3R874L

DATE: 10/6/2006 A/C TSN: 4872.5 ENG TT (R): 1643.65 TSMOH (R): 124.3 HOBBS: 4845.5

Right Engine Entries

Performed differential compression test and borescope inspection I/AW TCM SB03-3: #1 58/80. #2 65/80. #3 63/80. #4 68/80. #5 64/80. #6 62/80. Cleaned, gapped, tested and rotated spark plugs. Changed oil filter. Checked mag timing. Inspected and pressure checked exhaust system. Inspected all fluid carrying hoses. Washed engine and test ran, no visible leaks apparent... Compiled with AD 2000-01-16 I/AW Part b, c, d and e. Parts c and e are next due 10/2007. Part d next due at 5372.5 ACTT. Part b next due at 4922.5 ACTT.... Removed into pright engine starter and installed TCM P/N 655566024V, S/N 02 190 0088 used serviceable unit... CW AD 2005-20-04 I/AW MSB94-4G Part 2 (Backlash Inspection) positions and readings as follows: (1).040 (2).050 (3).050 (4).040 inches. Part 2 next due at 4972.5, Part 3 next due at 5148.2.... Found several oil leaks on right engine and repaired as required.... Removed and repaired as required.... Removed and repaired as

I certify this engine has been inspected in accordance with a 100 Hour Inspection and repaired in accordance with current Federal Aviation Regulations and was determined to be in an airworthy condition. Pertingendetails of the repair are on file at this Repair Station under Repair Order 17079-09-2006.

DATE: 10/6/2006

SIGNED

bel Hogger

Work Order: 17079-09-2006

Robin Howard Certified Repair Station No. TO3R874L

ENGINE MODEL: GTSIO 520 H ENGINE S/N (R): 235257 R REG. NO: 421MY WORK ORDER: 17222-10-2006



Howard Aviation, Inc.

Repair Station No. TO3R874L 1401 Fairplex Drive La Verne, CA 91750 Phone: 909-593-2596 DATE: 10/26/2006 A/C TSN: 4883.9 ENG TT (R): 1655.05 TSMOH (R): 135.7 HOBBS: 4856.9 ns

s.)

of

Right Engine Entries

DATE: 10/26/2006

Solvent washed right engine and powered area below cylinders #6 & 4. Ground ran and inspected area below cylinders. Observed oil leakage from base of dip stick tube and valve cover gaskets. Replaced cylinders #2, 4 & 6 valve cover gaskets and dip stick tube to engine o-ring.

The airtrame, engine ancior component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Pederal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Statigranglet Repair Order 17222-16-2006.

		ļ	Robin Howard Certified Repai	ir Station No. TO3R874L	Work Order: 17222-10-2006 Printed by EBis 3 (datcomedia.com)	
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YEAR	RECORDING TACH	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alteration Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other case)
DATE	TIME		SERVICE	Technician or Repair Facility. (See back pages for other specific entries
	MAKE: Co	ntinenta		N # N421MY
4 5	MODEL: C	TSIO-5	20-H	T.T. 1683.65
_	SERIAL#	235257-	2	SMOH 167.3
_	The engine	identifie	d above w	vas disassembled as needed to replace crankcase. I overhauled cylinder kits. Install new camshaft
_	and lifters.	All worl	c performe	ed with reference to Teledyne Continental Motors

Installed 6ea. FRCN72CA ECI overhauled cylinder kits. Install new camshaft and lifters. All work performed with reference to Teledyne Continental Motors Overhaul Manual X30045A and Parts Manual X30046A. MSB96-10 C/W by ultrasonic inspection. All pertinent details are on file at this facility under Inv. 4254. "Only work requested by customer has been performed and certified IAW manufacturer specifications and applicable airworthiness regulations. Engine was not test run and requires customer to perform any additional checks or test to certify airworthy." End.

DATE: 01-15-07

SIGNED Lin Kale FAA Repair Station T22R537Y Tim's Aircraft Engines Inc. 6105 Obispo Ave. Long Beach, Ca. 90805 Ph. (562) 634-6120 Fax (562) 634-6129

RECOR TACH TIME	RDING	TODAY'S FLIGHT	TOTAL TIME IN SERVIC	Entries m	ust be e	endorsed with I	ns, Tests, Repairs Name, Rating and Cer See back pages for oth	tificate Number
			TIM	'S AIRCRAF	T FN	GINES INC		
			APPENDING STORY	REPAIR STA				
	40		NV. 4			520-DCH	S/N 219317-R	
_ /	10-	Z-04 I	NV. 4	254 G	310-	520-DCH	3/N 219311-K	
_ #	OTY	PART	#	DESCRIPTION	OTY	PART#	DESCRIPTION	-
	1	SA633		GASKET SET	6	653877	LIFTER	
7	1			BEARING SET		654589	SCREW	
	1	630993		HOSE	12	655961	BOLT	
	1	641250		SEAL	12	654490	NUT	
	1	502287	-3	RING	12	630826M10		
	6	656990		SCREW	24	631808	PLATE	
	1	MS357	56-8	KEY	24	629004	RING	
	1	MS3575	56-6	KEY	2	641909	PLATE	. Andrews
	24	501868		TAB		649205	SCREW	
	24	537750		SCREW	1	629281	BEARING	
-	8	SA6339		SEAL		630979-9	O-RING	
197	4	633958-		SEAL	200	632800	BEARING	
	2	531178		RETAINER		654588	SCREW	
-	4	655269		BUSHING	1818	FRCN72CA		
3-17	6	X1473		NASHER	- 1	P-III	CRANKCASE	
	2	646920	and the same of the same	SCREW		SA652541	NUT	
- 3	1	653056	(CAMSHAFT	36	652422	NUT	
1635.02	6	653888	. L	IFTER				

TACH	FLIGHT	TIME IN	Entries must be end	nspections, Tests, Repairs and A dorsed with Name, Rating and Certificate ir Facility, (See back persons)
TIME	- 1 3	SERVICE	Technician or Repa	ir Facility. (See back pages for other spec
ODEL: GTSIO N (R): 235257 R 421MY DER: 2006	Frence Adaption	Repair Station 1401 Fairplex La Verne, CA	No. TO3R874L Drive 91750	DATE: 1/19/2007 A/C TSN: 4915.5 ENG TT (R): 1686.65 TSMOH (R): 167.3 HOBBS: 4888.5
right engine fo	or repair of oil	l leaks. Reinst	alled engine after repair by Tim	n's Aircraft Engines, added (13) quarts of Aeroshell
ne, engine and/or	r component ide	entified herein w	ras repaired and inspected in accord	dance with the current Howard Aviation, Inc. Inspection roved for return to service as per those requirements. 006.
/19/2007		- 1	of Howard	Work Order: 17275-11-200
	Rob	in Howard tified Repair Stat	tion No. TO3R874L	Printed by EBis 3 (datcomedia.com
140	N (R): 235257 R 121MY DER: 1006 ngine Entries 1 right engine fo Detergent and to ne, engine and/or d the Federal Avi details of the repai	ODEL: GTSIO N. (R): 235257 R Light DER: ODER:	DOEL: GTSIO N. (R): 235257 R I Avanuable N. (R): 235257 R Repair Station 101 Fairpiers La Verne, CA Phone: 909-5 Ingine Entries Ingint engine for repair of oil leaks. Reinst Detergent and test ran for oil leaks, no lea ne, engine and/or component identified herein w d the Federal Aviation Regulations under which the repair are on file at this Repair Station 119/2007 SIGNED: Robin Howard	Howard Aviation, Inc. Repair Station No. TO3R874L 1401 Fairplex Drive La Yene, C 9 9750 Phone: 909-593-2596 Inight engine for repair of oil leaks, Reinstalled engine after repair by Tim Detergent and test ran for oil leaks, no leaks observed. The engine and/or component identified herein was repaired and inspected in according to the repair are on file at this Repair Station under Repoal Order 17275-11-2 M19/2007 SIGNED: Wal Haway M

520 H ENGINE S/N (R): 235257 R Airen . In REG NO: 421MY WORK ORDER 17515-01-2007

Howard Aviation, Inc. Repair Station No. TO3R874L 1401 Fairplex Drive La Verne, CA 91750 Phone: 909-593-2596

DATE: 2/16/2007 A/C TSN: 4919.2 ENG TT (R): 1690.35 TSMOH (R): 171 HOBBS: 4892.2

Right Engine Entries

R&R #5 cylinder right engine, for cracked intake stud flange. Test ran, no leaks engine ran good.

The artrane, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Penners details of the repair are on file at this Repair Station under Repair Order 17515-01-2007.

DATE: 2/16/2007

SIGNED: Robin Howard

Work Order: 17515-01-2007

Certified Repair Station No. TO3R874L

RECORDING TACH TIME

TODAY'S FLIGHT

TOTAL TIME IN SERVICE **Description of Inspections, Tests, Repairs and Alterations**

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries)

ENGINE MODEL: GTSIO 520 H ENGINE S/N (R): 235257 I REG NO: 421MY WORK ORDER: 17646-03-2007

Howard Aviation. Inc. Benair Station No. TO3R874L

1401 Fairoley Drive La Verne, CA 91750 Phone: 909-593-2596

DATE: 3/12/2007 A/C TSN: 4935.8 ENG TT (R): 1706 95 TSMOH (R): 187.6 HORRS: 4908 8

Right Engine Entries

Removed old valve cover gasket from #5 cylinder, replaced with Ram gaskets. Cleaned engine and bottom cowling. Adjusted mixture, was little to lean. Test ran engine no leaks found.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements.

Pertinent details of the repair are on file at this Repair Station under Repair Order 17646-03-2007.

DATE: 3/12/2007

SIGNED **Bobin Howard** Leun

Work Order, 17646-03-2007

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: GTSIO 520 H ENGINE S/N (R): 235257 R REG NO: 421MY

WORK ORDER: 17719-03-2007

Howard Aviation, Inc.

Repair Station No. TO3R874L 1401 Fairplex Drive La Verne, CA 91750 Phone: 909-593-2596

Certified Repair Station No. TO3R874L

DATE: 3/30/2007 A/C TSN: 4940.5 ENG TT (R): 1711.65 TSMOH (R): 192.3 HOBBS: 4913.5

Right Engine Entries

Inspected oil air separator and found oil return line check valve plugged. Removed line, cleaned check valve and line, checked function of valve after cleaning, works good. Reinstalled to right engine.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 17719-03-2007.

DATE: 3/30/2007

SIGNED:

Work Order: 17719-03-2007

Robin Howard Certified Repair Station No. TO3R874L

Description of Inspections, Tests, Repairs and Alteration TOTAL TODAY'S RECORDING YEAR Entries must be endorsed with Name, Rating and Certificate Number of TIME IN FLIGHT TACH Technician or Repair Facility. (See back pages for other specific entries SERVICE TIME DATE ENGINE MODEL: GTSIO Howard Aviation, Inc. DATE: 5/10/2007 A/C TSN: 4960.9 520 H Repair Station No. TO3R874L ENG TT (R): 1732.05 ENGINE S/N (R): 235257 R 1401 Fairplex Drive TSMOH (R): 212.7 **REG. NO: 421MY** La Verne CA 91750 HOBBS: 4933.9 WORK ORDER: Phone: 909-593-2596 17867-05-2007 Right Engine Entries Changed oil & filter, added (11) quarts of Aeroshell 100W+, Took oil sample for analysis. Washed engine, test ran, no leaks found The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 17867-05-2007. DATE: 5/10/2007 SIGNED Work Order: 17867-05-2007 Robin Howard Printed by EBis 3 (datcomedia.com) Certified Repair Station No. TO3R874L ENGINE MODEL GTSIO HOWARD AVIATION, INC. Howard Aviation, Inc. DATE: 8/9/2007 520 H A/C TSN: 4969.4 Repair Station No. TO3R874L ENGINE S/N (R): 235257 R ENG TT (R): 1740.55 1401 Fairolex Drive REG NO: 421MY TSMOH (R): 221.2 WORK ORDER: La Verne, CA 91750 HORRS: 4942.4 18189-08-2007 Phone: 909-593-2596 **Right Engine Entries** Tightened loose oil hose B-nut at oil filter bracket in port. Washed engine and test ran, no visible leaks apparent. The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 18189-08-2007. DATE: 8/9/2007 SIGNED

Robin Howard

Certified Repair Station No. TO3R874L

Work Order: 18189-08-2007

RECORD TACH TIME	ING TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Entries must be endors	ed with Name, Ra	s, Repairs and Alteration and Certificate Number pages for other specific entrices.	of
ENGINE MODEL 520 H ENGINE S/N (R) REG. NO: 421M' WORK ORDER: 17931-05-2007	235257 R	nois - Maintenance 140 La	oward Aviation, Inc. pair Station No. TO3R874L 01 Fairplex Drive Verne, CA 91750 one: 909-593-2596		DATE: 8/31/2007 AVC TSN: 4993 2 ENG TT (R: 1764 35 TSMOH (R): 245 HOBBS: 4966.2	
t/80, #6 78/80 hecked mag ti n, no visible le e at 5493.2 A W MSB94-40 kt due at 5093	rential compressi Cleaned, gappe ming Inspected a assaparent CTT. Part b next G Part 2 (Backlas 2 Part 3 next du has been inspected t to be in an airwort	d, tested and ro and pressure ch C/W AD 2000-0 due at 5043.2 A th Inspection) po e at 5148.2.	escope inspection I/A/W TCM SB thated spark plugs. Changed oil a ecked exhaust system. Inspected 1-18 I/A/W Part b, c, d and e. Pa (CTT Right engine alternator, ositions and readings as follows: the a 100 Hour Inspection and repaired nent details of the repair are on file at	nd filter, added 11 quad d all fluid carrying hose rts c and e are next du cleaned oil leak out ve (1) .040 (2) .040 (3) .0	urts of Aeroshell 100W-es. Washed engine and test ee AUG 2008. Part d next nt CW AD 2007-05-15 40 (4) .050 inches. Part 2 urt Federal Aviation Regulations r Repair Order 17931-05-2007.	
IE. 6/31/2007	R	obin Howard	tion No. TO3R874L	Printer	Work Order: 17931-05-2007 d by EBis 3 (datcomedia.com)	
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AR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE		pections, Tests, Repairs and A ed with Name, Rating and Certificate acility. (See back pages for other spe
TE	TIME				Mark Linder & Company of the State of the St
520 H ENGII REG WOR	NE MODEL: GTSIO I NE S/N (R): 235257 F NO: 421MY K ORDER 3-10-2007	VACUES .	Repair S 1401 Fa	ard Aviation, Inc. Station No. TO3R874L simplex Drive e, CA 91750 909-593-2596	DATE: 10/31/2007 A/C TSN 5013 ENG TT (R): 1784 65 TSMOH (R): 265 3 HOBBS: 4966 5
Unco	ht Engine Entrie whed right engine a s not sealing. Fixed	and checked	for oil leaks, fou ator can nipples	and alternator leaking. Found oil air	separator nipple ends out of round and und hose going to de-ice boots right side ht engine alternator with overhauled S/N
H092	en next to turbo. Re 2172, reconnected artrame, engine and/o	all electrical l	eads after instal	lling. Checked function, ok. s repaired and inspected in accordance to a contrator is certified, and is approved for	with the current Howard Aviation, Inc. Inspection or return to service as per those requirements.
The a Manu Pertir	en next to turbo. Re 2172, reconnected airframe, engine and/o all and the Fedoral Av nent details of the repa	eplaced 5/8" I all electrical la r component id lation Regulation air are on file at	eads after instal entified herein war ons under which the this Repair Station	ling. Checked function, ok. s repaired and inspected in accordance to operator is certified, and is approved in under Repair Order 18483-10-2007.	with the current Howard Aviation, Inc. Inspection
The a Manu Pertir	en next to turbo. Re 2172, reconnected artrame, engine and/o	eplaced 5/8" I all electrical li r component id iation Regulation air are on file at SIC	eads after instal	in engine and control, ok. s repaired and inspected in accordance is experient or is certified, and is approved in under Repair Order 1843-10-2007.	with the current Howard Aviation, Inc. Inspection or return to service as per those requirements.
The a Manu Pertir	en next to turbo. Re 2172, reconnected airframe, engine and/o all and the Fedoral Av nent details of the repa	eplaced 5/8" I all electrical li r component id iation Regulation air are on file at SIC	eads after installentified herein was ons under which the this Repair Station	in engine and control, ok. s repaired and inspected in accordance is experient or is certified, and is approved in under Repair Order 1843-10-2007.	with the current Howard Aviation, Inc. Inspection or return to service as per those requirements. Work Order: 18483-10-2007
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TACH	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Altera Entries must be endorsed with Name, Rating and Certificate Numb Technician or Repair Facility. (See back pages for other specific en
ENGINE MODEL: 0 520 H ENGINE S/N (R): 2 REG. NO: 421MY WORK ORDER: 18950-03-2008 Right Engine	35257 R	Avionics - Maintenance	Howard Aviation, Inc. Repair Station No. T03R874L Ald 1 Fairples Drive La Verne, CA 91750 Phone: 909-593-2596 DATE: 3/7/2008 AC TSN. 5031.7 ENG TT (R): 1802.85 TSMOH (R): 2805 TSMOH (R): 2805 HOBBS: 5004.7
Froubleshot oil le exhaust, tightene	eak, cleaned ed waste gate	pipe clamp. Sa	ecked after test flight, no leaks noted Tightened turbo to tail pipe clamp. Pressurized afetied with safety wire. erein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection
			air Station under Repair Order 18950-03-2008.
Manual and the Feo Pertinent details of		SIGNED:	remind the operator is curried, and is approved to lead to be supported to a station upder Repair Order 18950-03-2008 Mork Order: 18950-03-2008 Work Order: 18950-03-2008
		SIGNED:	which the operator is curried, and a spiriture of the operator is curried. Work Order: 18950-03-2008 Work Order: 18950-03-2008 Printed by EBis 3 (datcomedia com)
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lanual and the Fed Pertinent details of		SIGNED:	which the operator is curried, and a spiriture of the operator is

Description of Inspections, Tests, Repairs and Alter TOTAL TODAY'S Entries must be endorsed with Name, Rating and Certificate Num RECORDING TIME IN YEAR FLIGHT Technician or Repair Facility. (See back pages for other specific e TACH SERVICE TIME DATE Howard Aviation. Inc. DATE: 4/8/2008 HOWARD AVIATION, INC. **ENGINE MODEL: GTSIO** AC TSN 5041 Aviones - Maintenance Repair Station No. TO3R874L ENG TT (R): 1812.15 520 H ENGINE S/N (R) 235257 R 1401 Fairplex Drive TSMOH (R) 2928 REG NO 421MY La Verne, CA 91750 HOBBS 5014 WORK ORDER: Phone: 909-593-2596 19039-04-2008 Right Engine Entries Changed oil & filter, added (11) quarts of Aeroshell 100W+. Took oil sample for analysis. Washed engine, test ran, no leaks found.... R&R right engine tailpipe clamp with new. The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements Pertinent details of the repair are on file at this Repair Station under Repair Order 19039-04-2008.

DATE: 4/8/2008

Robin Howard Certified Repair Station No. TO3R874L Work Order 19039-04-2008

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: GTSIO

520 H ENGINE S/N (R): 235257 F REG NO 421MY WORK ORDER 19105-04-2008

SIGNED

HOWARD AVIATION, Mr. Howard Aviation, Inc. Repair Station No. TO3R874L

1401 Fairplex Drive La Verne, CA 91750 Phone: 909-593-2596

DATE: 5/2/2008 A/C TSN: 5042.3 ENG TT (R): 1813.45 TSMOH (R): 294.1 HOBBS: 5015.3

Right Engine Entries

Replaced engine driven fuel pump on right engine. Adjusted mid range fuel pressure.

The arrisme, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, inc. Inspection Manual and the Federal Aviation Revisition and Control of the Control Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements.

Perhand design of the press of a conference of the conference Pertinent details of the repair are on file at this Repair Station under Repair Order 19105-04-2008.

DATE: 5/2/2008

SIGNED:

Work Order: 19105-04-2008

Robin Howard Certified Repair Station No. TO3R874L

RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Entries must be endorse	ections, Tests, Repairs and Altera ed with Name, Rating and Certificate Number cility. (See back pages for other specific en
ENGINE MODEL: \$20 H ENGINE S/N (R): REG. NO. 421MY WORK ORDER: 19271-08-2008 Right Engine Troubleshot oil I vacuum pump to	Entries			DATE: 8/13/2008 AC TSN 5049 9 ENG TT (R) 18/20 05 TSM0H (R) 3007 HOBBS: 5021.9
Manual and the Fe	ederal Aviation f the repair are	Regulations unde on file at this Rep SIGNED: Robin Howar	or which the operator is certified, and is a pair Station of der Repair Order 19271-06	ordance with the current Howard Aviation, Inc. Inspection pproved for return to service as per those requirements. 2008 Work Order: 19271-06-2008 Printed by EBis 3 (datcomedia.com)
ENGINE MODEL: GT 520 H ENGINE S/N (R): 235 REG. NO: 421MY WORK ORDER: 19393-07-2008 Right Engine Er R&R manifold pres	257 R	Re 14 La Ph	oward Aviation, Inc. ppar Station No TOSR874L 01 Fairplex Drive Venne, CA 91750 one: 909-593-2596 d to baffle with new Adjusted ma	DATE: 7/22/2008 A/C TSN: 5054.5 ENG TT (R): 1825.65 TSMOH (R): 306.3 HOBBS: 5027.5 anifold pressure up two turns.
The airframe, engine a Manual and the Feder Pertinent details of the DATE: 7/22/2008	and/or compone al Aviation Reg repair are on fi	int identified here ulations under while at this Repair \$	in was repaired and inspected in according to the operator is certified, and is approstation under Repair Order 19393-07-20	

R	RECORDING TACH	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Ins		
	TIME		SERVICE	Technician or Repair F	-acility. (See ba	ck pages for other specific
	ENGINE MODEL: GTS 520 H ENGINE S/N (R). 235/ REG NO 421MY WORK ORDER. 19558-09-2008	St. Ast	nis-Marteane Rep 140 La \	pair Station, Inc. pair Station No TO3R874L 11 Fairplex Drive Verne, CA 91750 one: 909-593-2596		DATE. 10/17/2000 A/C TSN 50/25 ENGTT (R) 1833 25 TSMOH (R) 3138 HOBBS 5035 1
_	Right Engine Er	ntries				
-	rotated spark plugs	Changed oil	and filter, added	d (11) quarts of Aeroshell 100W+.	est ran, no visible le	aks apparent C/W AD
-	checked exhaust sy 2000-01-16 I/A/W F ACTT C/W AD 2 (3) .050 (4) .040 inc repositioned drain I heat shield.	rstem. Inspect Part b, c, d an 007-05-15 I/A thes. Part 2 n ine & tightene	ted all fluid carry d e. Parts c and AW MSB94-4G F ext due at 5162. ed fittings R&R	d (11) quarts of Aerosnell 10w2, high poses. Washed engine and te e are next due 10/2009. Part d ne Part 2 (Backlash Inspection) posit 1 Part 3 next due at 5148.2 Rig R right engine inboard main slip joi inha 100 Hour Inspection and repaired i inent details of the repair are on file at to	est ran, no visible le ext due at 5562.1 At tions and readings a tht engine loosened int and installed with in accordance with cur	raks apparent CMV AD CTT. Part b next due at 5112.1 is follows: (1) .050 (2) .040 drain line fittings and in new hardware. Reinstalled
-	checked exhaust sy 2000-01-16 I/A/W F ACTT C/W AD 2 (3) .050 (4) .040 inc repositioned drain I heat shield.	rstem. Inspect Part b, c, d an 007-05-15 I/A thes. Part 2 n ine & tightene	ted all fluid carry d e. Parts c and AW MSB94-4G F ext due at 5162. ed fittings R&R	ying hoses. Washed engine and le e are next due 10/2009 Part d ne Part 2 (Backlash Inspection) posit 1 Part 3 next due at 5148.2 Rig R right engine inboard main slip joi inh a 100 Hour Inspection and repaired in	est ran, no visible le ext due at 5562.1 At tions and readings a tht engine loosened int and installed with in accordance with cur	raks apparent CMV AD CTT. Part b next due at 5112.1 is follows: (1) .050 (2) .040 drain line fittings and in new hardware. Reinstalled
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Repair Station No. TO3R874L Repair Station No. TO3R874L Repair Station No. TO3R874L ACT SN. 5079.1 ENG TT (R): 1850.25 La Verno. CA 91750 Phone. 909-593-2596 Engline Entries ad clamp on vacuum pump and the oil separator on right engine. Checked de-ice filter for possible leaking, checked out ok. Image, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements.	Repair Station No. TO3R874L 1401 Farripex Drive La Verne, CA 91750 Phone. 909-593-2596 Repair Station No. TO3R874L 1401 Farripex Drive La Verne, CA 91750 Phone. 909-593-2596 Repair Station No. TO3R874L 1401 Farripex Drive La Verne, CA 91750 Phone. 909-593-2596 Repair Station No. TO3R874L 1401 Farripex Drive La Verne, CA 91750 Phone. 909-593-2596 Repair Station No. TO3R874L 1401 Farripex Drive La Verne, CA 91750 Phone. 909-593-2596 Repair Station No. TO3R874L 1401 Farripex Drive La Verne, CA 91750 Phone. 909-593-2596 Repair Station No. TO3R874L 1401 Farripex Drive La Verne, CA 91750 Phone. 909-593-2596 Repair Station No. TO3R874L 1401 Farripex Drive La Verne, CA 91750 Phone. 909-593-2596 Repair Station No. TO3R874L 1401 Farripex Drive 1401 Farripex Drive 1501 Farripex	e Entries pon vacuum pump ar gine and/or component ide ederal Aviation Regulatio of the repair are on file at	The airframe, engine and/ Manual and the Federal A Pertinent details of the rep
Repair Station No. T03R874L 1401 Fairplex Drive 1500 Find H(R): 330.9 1600 HOBBS: 5052.1 1600 HO	Repair Station No. TO3R874L 1401 Fairplex Drive La Verne, CA 91750 Phone: 909-593-2599 Repair Station No. TO3R874L 1401 Fairplex Drive La Verne, CA 91750 Phone: 909-593-2599 Repair Station No. TO3R874L 1401 Fairplex Drive La Verne, CA 91750 Phone: 909-593-2599 Repair Station No. TO3R874L 1401 Fairplex Drive La Verne, CA 91750 Phone: 909-593-2599 Repair Station No. TO3R874L 1401 Fairplex Drive La Verne, CA 91750 Phone: 909-593-2599 Repair Station No. TO3R874L 1401 Fairplex Drive La Verne, CA 91750 HOBBS. 5052. Repair Station No. TO3R874L 1401 Fairplex Drive TSMOH (R): 3305 HOBBS. 5052. Repair Station No. TO3R874L 1401 Fairplex Drive TSMOH (R): 3305 HOBBS. 5052. Repair Station No. TO3R874L 1401 Fairplex Drive TSMOH (R): 3305 HOBBS. 5052. Repair Station No. TO3R874L 1401 Fairplex Drive TSMOH (R): 3305 HOBBS. 5052. Repair Station No. TO3R874L 1401 Fairplex Drive TSMOH (R): 3305 HOBBS. 5052. Repair Station No. TO3R874L 1401 Fairplex Drive TSMOH (R): 3305 HOBBS. 5052. Repair Station No. TO3R874L 1401 Fairplex Drive TSMOH (R): 3305 HOBBS. 5052. Repair Station No. TO3R874L 1401 Fairplex Drive TSMOH (R): 3305 HOBBS. 5052. Repair Station No. TO3R874L 1401 Fairplex Drive TSMOH (R): 3305 HOBBS. 5052. Repair Station No. TO3R874L 1401 Fairplex Drive TSMOH (R): 3305 HOBBS. 5052. Repair Station No. TO3R874L 1401 Fairplex Drive TSMOH (R): 3305 HOBBS. 5052. Repair Station No. TO3R874L 1401 Fairplex Drive TSMOH (R): 3305 HOBBS. 5052. Repair Station No. TO3R874L 1401 Fairplex Drive TSMOH (R): 3305 HOBBS. 5052. Repair Station No. TO3R874L 1401 Fairplex Drive TSMOH (R): 3305 HOBBS. 5052. Repair Station No. TO3R874L 1401 Fairplex Drive TSMOH (R): 3305 HOBBS. 5052. Repair Station No. To3R874L 1401 Fairplex Drive TSMOH (R): 3305 HOBBS. 5052. Repair Station No. To3R874L 1401 Fairplex Drive TSMOH (R): 3305 HOBBS. 5052. Repair Station No. To3R874L 1401 Fairplex Drive TSMOH (R): 3305 HOBBS. 5052. Repair Station No. To3R874L 1401 Fairplex Drive TSMOH (R): 3305 HOBBS. 5052. Repair Station No. To3R874L 1401 Fairplex D	e Entries p on vacuum pump ar gine and/or component ide ederal Aviation Regulatio of the repair are on file at	ENGINE SIN (R): 235257 I REG NO: 421MV WORK ORDER 19954-02-2009 Right Engine Entri Tightened clamp on va The airframe, engine and/ Manual and the Federal A Pertinent details of the rep
1401 Fairplex Drive La Verne, CA 91750 Phone: 909-593-2596 ENG TT (R): 1850.25 Engline Entries ed clamp on vacuum pump and the oil separator on right engine. Checked de-ice filter for possible leaking, checked out ok. Imme, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection not the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. details of the repair are on file at this Repair Station under Repair Order 19954-02-2009 SIGNED: Work Order: 19954-02-2009 Robin Howard Robin Howard Richtenberg in any 19954-02-2009 Robin Howard Robin Howard Richtenberg in any 19954-02-2009 Robin Howard Robin Howard Richtenberg in any 19954-02-2009 Richtenberg	1401 Fairplex Drive La Verne, CA 91750 Phone 909-593-2596 The Entries amp on vacuum pump and the oil separator on right engine. Checked de-ice filter for possible leaking, checked out ok. ampine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection or Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Is of the repair are on file at this Repair Station under Repair Order 19954-02-2009 Work Order: 19954-02-200 Robin Howard Righted by ERic 3 (determine)	e Entries Ip on vacuum pump ar gine and/or component ide rederal Aviation Regulatio of the repair are on file at	REG. NO: 421MY WORK ORDER: 19954-02-2009 Right Engine Entri Tightened clamp on va The airframe, engine and/ Manual and the Federal A Pertinent details of the rep
Phone 909-593-2596 HOBBS: 5052.1 Engine Entries and clarmp on vacuum pump and the oil separator on right engine. Checked de-ice filter for possible leaking, checked out ok. Index engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. details of the repair are on file at this Repair Station under Repair Order 19954-02-2009 Work Order: 19954-02-2009 Robin Howard Robin Howard Richted by F. Pilo 3 (detanguardis and)	Phone 909-593-2596 The Entries The Entries	pp on vacuum pump ar gine and/or component ide ederal Aviation Regulatio of the repair are on file at	Right Engine Entri Tightened clamp on va The airframe, engine and/ Manual and the Federal A Pertinent details of the rep
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			DATE: 2/10/2009
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		2 * 1	

ENGINE MODEL GTSIO SOOH ENGINE SN (R) 235257 R RG NO 421M7 WORK GROER Troubleshot oil leak, cleaned engine and powder coated oil cooler and surrounding area with developer. R&R oil cooler with new cooler Troubleshot oil leak, cleaned engine and powder coated oil cooler and surrounding area with developer. R&R oil cooler with new cooler. The artrane, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection The artrane, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection The artrane, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection The artrane, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Ranual and the Federal Aviation Repulsions under which the operator is certified, and is approved for return to service as per those requirements. Manual and the Federal Aviation Repaid Service 20186-017-2009.	YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Entries must be endorsed with Nar Technician or Repair Facility. (See	ne. Hating and Certificate
ENGINE MODEL GTSIO 550 H ENGINE SIN (R). 255257 R REG NO 421M7 WORK ORDER 2048-6/1-2009 Right Engine Entries Troubleshot oil leak, cleaned engine and powder coated oil cooler and surrounding area with developer. R&R oil cooler with new 1 mr. installed new gaskets. Torqued nuts and bolts to specs. Reinstalled all baffling and hardware removed for replacement of oil 1 mr. installed new gaskets. Torqued nuts and bolts to specs. Reinstalled all baffling and hardware removed for replacement of oil 2 mr. installed new gaskets. Torqued nuts and bolts to specs. Reinstalled all baffling and hardware removed for replacement of oil 2 mr. installed new gaskets. Torqued nuts and bolts to specs. Reinstalled all baffling and hardware removed for replacement of oil 3 mr. installed new gaskets. Torqued nuts and bolts to specs. Reinstalled all baffling and hardware removed for replacement of oil 3 mr. installed new gaskets. Torqued nuts and bolts to specs. Reinstalled all baffling and hardware removed for replacement of oil 3 mr. installed new gaskets. Torqued nuts and bolts to specs. Reinstalled all baffling and hardware removed for replacement of oil 3 mr. installed new gaskets. Torqued nuts and bolts to specs. Reinstalled all baffling and hardware removed for replacement of oil 3 mr. installed new gaskets. Torqued nuts and bolts to specs. Reinstalled all baffling and hardware removed for replacement of oil 3 mr. installed new gaskets. Torqued nuts and bolts to specs. Reinstalled all baffling and hardware removed for replacement oil 3 mr. installed new gaskets. Torqued nuts and bolts to specs. Reinstalled all baffling and hardware removed for replacement of oil 3 mr. installed new gaskets. Torqued nuts and bolts to specs. Reinstalled all baffling and hardware removed for replacement of oil 3 mr. installed new gaskets. Torqued nuts and bolts to specs. Reinstalled all baffling and hardware removed for replacement of oil 3 mr. installed new gaskets. Torqued nuts and bolts to specs. Reinstalled all baffling and hardware removed	DATE	TIME				
Right Engine Entries Troubleshot oil leak, cleaned engine and powder coated oil cooler and surrounding area with developer. R&R oil cooler with new troubleshot oil leak, cleaned engine and powder coated oil cooler and surrounding area with developer. R&R oil cooler with new troubleshot oil leak, cleaned engine and botts to specs. Reinstalled all baffling and hardware removed for replacement of oil until installed new gaskets. Torqued nuts and botts to specs. Reinstalled all baffling and hardware removed for replacement Howard Avistion, Inc. Inspection The artrane, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Avistion, Inc. Inspection The artrane, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Avistion, Inc. Inspection The artrane, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Avistion, Inc. Inspection The artrane, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Avistion, Inc. Inspection The artrane, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Avistion, Inc. Inspection The artrane, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Avistion, Inc. Inspection The artrane, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Avistion, Inc. Inspection The artrane, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Avistion, Inc. Inspection The artrane, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Avistion, Inc. Inspection The artrane, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Avistion, Inc. Inspection The artrane, eng	520 H ENGI REG. WOR	NE S/N (R): 235257 R NO. 421MY K ORDER.	HOWARD AVA	1401 Fa	rplex Drive CA 91750	DATE: 8/12/200 A/C TSN: 5100 ENG TT (R) 1871 2 TSMOH (R) 351 HOBBS: 5073
unit, installed new gaskers. Torqueor identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection The artrame, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection The artrame, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection The artrame, engine and/or expected and inspected in accordance with the current Howard Aviation, Inc. Inspection The artrame, engine and or expected and inspected in accordance with the current Howard Aviation, Inc. Inspection The artrame, engine and/or expected and inspected in accordance with the current Howard Aviation, Inc. Inspection The artrame, engine and/or expected in accordance with the current Howard Aviation, Inc. Inspection The artrame, engine and/or expected in accordance with the current Howard Aviation, Inc. Inspection The artrame, engine and/or expected in accordance with the current Howard Aviation, Inc. Inspection The artrame, engine and/or expected in accordance with the current Howard Aviation, Inc. Inspection The artrame, engine and/or expected in accordance with the current Howard Aviation, Inc. Inspection The artrame, engine and/or expected in accordance with the current Howard Aviation Inc. Inspection The artrame, engine and the art the art the art the artrame was repaired and inspected in accordance with the current Howard Aviation Inc. Inspection The artrame, engine and the artrame Howard Aviation Reputations and the artrame and	-					or DRP oil cooler with new
unit, installed new gaskers. Torqueor identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection The artrame, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection The artrame, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection The artrame, engine and/or expected and inspected in accordance with the current Howard Aviation, Inc. Inspection The artrame, engine and or expected and inspected in accordance with the current Howard Aviation, Inc. Inspection The artrame, engine and/or expected and inspected in accordance with the current Howard Aviation, Inc. Inspection The artrame, engine and/or expected in accordance with the current Howard Aviation, Inc. Inspection The artrame, engine and/or expected in accordance with the current Howard Aviation, Inc. Inspection The artrame, engine and/or expected in accordance with the current Howard Aviation, Inc. Inspection The artrame, engine and/or expected in accordance with the current Howard Aviation, Inc. Inspection The artrame, engine and/or expected in accordance with the current Howard Aviation, Inc. Inspection The artrame, engine and/or expected in accordance with the current Howard Aviation Inc. Inspection The artrame, engine and the art the art the art the artrame was repaired and inspected in accordance with the current Howard Aviation Inc. Inspection The artrame, engine and the artrame Howard Aviation Reputations and the artrame and	Rig	ht Engine Entrie	ened engine	and powder coa	ited oil cooler and surrounding area with develop	noved for replacement of oil
The artrame, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Avisition, Inc. Inspection The artrame, engine and/or component identified herein was repaired and inspected in accordance with the current form. Inspection Manual and the Federal Avision Regulators under which the operator is certified, and is approved for return to service as per those requirements. Manual and the Federal Avision Regulators under Repair Order 20468-07-2009. Pertinent details of the repair are on fine at this Repair Station under Repair Order 20468-07-2009. Work Order: 20468-07-2009 DATE: 8/12/2009 SIGNED: Printed by EBis 3 (datcomedia cont	Trou	bleshot on leak, Ge	ets Torqued	nuts and bolts to	specs. Reinstalled all balling and horard	
Printed by EBis 3 (datcomedia con				antified herein was	repaired and inspected in accordance with the total	ce as per those requirements.
	The Man Pert	airtrame, engine and/o ual and the Federal Av inent details of the repa	air are on file at	this Repair Station	under Repair Order 20400-07-2005.	Work Order: 20468-07-200
	— Man	ual and the Federal Av nent details of the repa	sir are on file at	this Repair Station	L HUWWI	Work Order: 20468-07-200
	— Man	ual and the Federal Av nent details of the repa	sir are on file at	this Repair Station	L HUWWI	Work Order: 20468-07-200
	— Man	ual and the Federal Av nent details of the repa	sir are on file at	this Repair Station	L HUWWI	Work Order: 20468-07-200
	— Man	ual and the Federal Av nent details of the repa	sir are on file at	this Repair Station	L HUWWI	Work Order: 20468-07-200
	— Man	ual and the Federal Av nent details of the repa	sir are on file at	this Repair Station	L HUWWI	Work Order: 20468-07-200
	— Man	ual and the Federal Av nent details of the repa	sir are on file at	this Repair Station	L HUWWI	Work Order: 20468-07-200
	— Man	ual and the Federal Av nent details of the repa	sir are on file at	this Repair Station	L HUWWI	Work Order: 20468-07-200
	- Man	ual and the Federal Av nent details of the repa	sir are on file at	this Repair Station	L HUWWI	Work Order: 20468-07-200
	— Man	ual and the Federal Av nent details of the repa	sir are on file at	this Repair Station	L HUWWI	Work Order: 20468-07-200
	- Man	ual and the Federal Av nent details of the repa	sir are on file at	this Repair Station	L HUWWI	Work Order: 20468-07-200

W.

RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Altera Entries must be endorsed with Name, Rating and Certificate Numbe Technician or Repair Facility. (See back pages for other specific ent	of ies.
ENGINE MODEL 20 H INGINE S/N (R): EG. NO: 421MN VORK ORDER: 0699-09-2009 Right Engine	235257 R	MARIO AVIATION, MC.	Howard Aviation, Inc. Repair Station No. TOSR874L 1401 Fairphs Drive La Verne, CA 91750 Phone: 909-593-2596 DATE: 9124/2009 ENGT: (R): 1976.95 ENGT: (R): 1976.95 TSMOH (R): 357.6 HOBBS: 5078.8	
		Adjusted approi	aid out 3/4 of a turn.	
he airframe, end	ine and/or com	ponent identified h	herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection ar which the operator is certified, and is approved for return to service as per those requirements. par Stationrynder Repair Order 20899-09-2009.	12 /2
he airframe, eng tanual and the Fo ertinent details o	ine and/or com ederal Aviation f the repair are	ponent identified h Regulations under on file at this Rep SIGNED:	herein was repaired and inspected in accordance with the current Howard Aviation, Inc. inspection for which the operator is certified, and is approved for return to service as per those requirements. pair Station under Repair Order 20599-09-2009. Work Order: 20699-09-2009.	-
he airframe, end	ine and/or com ederal Aviation f the repair are	ponent identified h Regulations under on file at this Rep SIGNED:	herein was repaired and inspected in accordance with the current Howard Avvaion, inc. inspection are which the operator is certified, and is approved for return to service as per those requirements, pair Stationyndor Repair Order 2099-09-2009. Work Order: 20699-09-200 Printed by EBis 3 (datcomedia.com	-
he airframe, eng tanual and the Fo ertinent details o	ine and/or com ederal Aviation f the repair are	ponent identified h Regulations under on file at this Rep SIGNED:	herein was repaired and inspected in accordance with the current Howard Avvaion, inc. inspection are which the operator is certified, and is approved for return to service as per those requirements, pair Stationyndor Repair Order 2099-09-2009. Work Order: 20699-09-200 Printed by EBis 3 (datcomedia.com	-
he airframe, eng tanual and the Fo ertinent details o	ine and/or com ederal Aviation f the repair are	ponent identified h Regulations under on file at this Rep SIGNED:	herein was repaired and inspected in accordance with the current Howard Avvaion, inc. inspection are which the operator is certified, and is approved for return to service as per those requirements, pair Stationyndor Repair Order 2099-09-2009. Work Order: 20699-09-200 Printed by EBis 3 (datcomedia.com	-
he airframe, eng tanual and the Fo ertinent details o	ine and/or com ederal Aviation f the repair are	ponent identified h Regulations under on file at this Rep SIGNED:	herein was repaired and inspected in accordance with the current Howard Avvaion, inc. inspection are which the operator is certified, and is approved for return to service as per those requirements, pair Stationyndor Repair Order 2099-09-2009. Work Order: 20699-09-200 Printed by EBis 3 (datcomedia.com	-
he airframe, eng tanual and the Fo ertinent details o	ine and/or com ederal Aviation f the repair are	ponent identified h Regulations under on file at this Rep SIGNED:	herein was repaired and inspected in accordance with the current Howard Avvaion, inc. inspection are which the operator is certified, and is approved for return to service as per those requirements, pair Stationyndor Repair Order 2099-09-2009. Work Order: 20699-09-200 Printed by EBis 3 (datcomedia.com	-

rear	RECORDING TACH	TODAY'S FLIGHT	TOTAL TIME IN SERVICE		tions, Tests, Repairs and Alt with Name, Rating and Certificate No ty. (See back pages for other specifi
DATE	TIME		SENTICE	Technician of Repair Facility	y. (Occ back pages for other specifi
_	ENGINE MODEL: G 520 H ENGINE S/N (R): 23 REG NO: 421MY WORK ORDER: 20801-10-2009	200	rong - Paytenance 14	loward Aviation, Inc. epair Station No. TO3R874L 101 Fariplex Drive b Verme, CA 91750 hone: 909-593-2596	DATE 11/20/20 A/C TSN: 5109 ENG TT (R): 1803 0 TSM(M)+ (R): 31 HOBBS: 5082
	Right Engine	Entries			
_	2000-01-16 I/A/ ACTTC/W AI outboard exhau joint heat shiel fittings.	W Part b, c, d D 2007-05-15 li ust stack with n idRemoved o	and e. Parts c a /A/W MSB94-40 new. Torqued ha il separator, four	3 Part 3. Part 2 next due at 5209.6. Part 3 indware and secured slip joint bolts with country and filter element deteriorated. Installed se	of next due at 5509.8R&R right engine otter pins. Reshaped and repositioned slip rviceable unit and secured all lines and
	and was determ	ined to be in an a	irworthy condition.	ce with a 100 Hour Inspection and repaired in ac Pertinent details of the repair are on file at this I	cordance with current Federal Aviation Regulations Repair Station under Repair Order 20801-10-2009 Work Order: 20801-10-2009
	DATE: 11/20	/2009	SIGNED: Robin Howard Certified Rep		Printed by EBis 3 (datcomedia.com
-	1225 1				San Control
			1		

RECORDING Tach Time	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Entries mu	st be endorsed with Name,	sts, Repairs and Alteration Rating and Certificate Number of the pages for other specific entries
ENGINE MODE 520 H ENGINE SIN (F REG NO 4211 WORK ORDER 21560-08-2010 Right Engi	R) 235257 R MY t	M. Seles	NATION, INC. - Maintenance	Howard Aviation, Inc. Repair Station No. T03R874L 1401 Fairplex Drive La Verne, CA 91750 Phone: 909-593-2596	DATE: 8/20/2010 A/C TSN: 5164.3 ENG TT (R): 1935-4 TSMOH (R): 416. HOBBS: 5137.3
Pertinent details	of the repair	are on file at this f		ator is certified, and is approved for return	
DATE: 8/20/2	o a a a copan	SIGNED Robin Ho	o: O.	Howell	Work Order: 21560-08-201
	o a a a copan	SIGNED Robin Ho	o De	Howell	
	o a a a copan	SIGNED Robin Ho	o: O.	Howers	Work Order: 21560-08-201
	o a a a copan	SIGNED Robin Ho	o: DI	Howers	Work Order: 21560-08-201
	o a a a copan	SIGNED Robin Ho	o: DI	Howers	Work Order: 21560-08-201
	o a a a copan	SIGNED Robin Ho	o: DI	Howers	Work Order: 21560-08-201
	o a a a copan	SIGNED Robin Ho	o: DI	Howers	Work Order: 21560-08-201

YEAR	TACH	TODAY'S FLIGHT	TOTAL TIME IN SERVICE				s, Repairs and Alta ing and Certificate Nu ages for other specific	
DATE	TIME	 	SENTICE	Technician of	Nepair racii.	ty. (Dee Dack p	ages for other specific	entr
_	ENGINE MODEL G1 520 H ENGINE SIN (R) 235 REG NO. 421MY WORK ORDER 21841-12-2010	HOW	Avionics - Main	tenance 1401 F La Ven	vard Aviation, Station No. TO3R8 Sairplex Drive ne, CA 91750 909-593-2596		DATE: 12/22/20 A/C TSN: 5172 ENG TT (R): 1943 TSMOH (R): 424 HOBBS: 5145	65
	rotated spark plugs checked exhaust sys 2000-01-16 VA/W Pa 5672 5 ACTT. Part fi readings as follows (N/A, no hydraulic lifter	ial compression Changed oil a stem. Inspecte art b, c, d, e ar next due at 56 (1) .040 (2) .05	and filter, added ed all fluid carryir ind f. Part b next 672.5 ACTTC/ 50 (3) .040 (4) .0	l (11) quarts of Aeros ng hoses. Washed e due at 5222.5 ACTT W AD 2007-05-15 I/ 040 inches. Part 2 ne	hell 100W+. Che ingine and test ra f. Parts c and e a A/W MSB94-4G	ecked mag timing. I in, no visible leaks ire next due 12/201 Part 2 (Backlash In	ned, gapped, tested and nspected and pressure apparentCW AD 1. Part d next due at isspection) positions and 5509.8AD 2010-11-04	
-	I certify this engine has be	en inspected in	n accordance with a	a 100 Hour Inspection a	and repaired in acco	ordance with current F	Federal Aviation Regulations pair Order 21841-12-2010.	
-	I certify this engine has be and was determined to be DATE: 12/22/2010	in an airworthy	n accordance with a condition. Pertine	a 100 Hour Inspection a	and repaired in according to file at this Re	epair Station under Re	ederal Aviation Regulations epair Order 21841-12-2010.	_
	and was determined to be	sin an airworthy SIG	condition. Pertine	A HOW	and repaired in according to this Re	epair Station under Re	pair Order 21841-12-2010.	
	and was determined to be	sin an airworthy SIG	GNED:	A HOW	and repaired in according to the at this Re	epair Station under Re	fork Order: 21841-12-2010	
	and was determined to be	sin an airworthy SIG	GNED:	A HOW	and repaired in according to the street on file at this Re	epair Station under Re	fork Order: 21841-12-2010	
	and was determined to be	sin an airworthy SIG	GNED:	A HOW	and repaired in according to the street of t	epair Station under Re	fork Order: 21841-12-2010	
	and was determined to be	sin an airworthy SIG	GNED:	A HOW	and repaired in according to the street of t	epair Station under Re	fork Order: 21841-12-2010	

RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Entries must Technician o	n of Inspections, be endorsed with Nai Repair Facility. (<i>Sea</i>		DATE: 8/11/2011
ENGINE MODI 520 H ENGINE SIN (F REG NO 4211 WORK ORDER 19443-08-2011	7) 235257 R	4	- Maintendice	Howard Aviation, In Repair Station No. TO3R874L 1401 Fairplex Drive La Verno. CA 91750 Phone: 909-593-2596		ENG TT (R): 1996.85 TSMOH (R): 477.5 HOBBS: 5198.7
	gine and/or co ederal Aviation of the repair a	omponent identifie on Regulations ut re on file at this F SIGNED	nd herein was repaired a nder which the operator tepair Station under Re	book oil sample for analysis. and inspected in accordance wi is certified, and is approved for pair Order 22443-08-29 1.	Work C	ion, Inc. Inspection se requirements. Order: 22443-08-2011 s 3 (datcomedia.com
		2650 W Flagstaff Flagstaff 928.779.	Shamrell Blvd Pulliam Airport AZ 86001 9585 Phone 9586 Fax	N421MY Hobbs: 5226.1	Engine FSO-11-0569 er 11, 2011	·
WISE	MAN	M 920.113.				

YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspection Entries must be endorsed with Technician or Repair Facility. (
DATE	TIME	-			
	NGINE MODEL: GTS 20 H ENGINE S/N (R) 2352 REG NO 421MY WORK ORDER. 22811-12-2011	STR R	Avionics - Maint	La Verne. CA 91750 Phone 909-593-2596	ENG TT (R) 2039 (TSMOH (R) 520 HOBBS 5241
	Right Engine E Performed different rotated spark plug- checked exhausts 2000-01-16 VAW 5768 5 ACTT. C/	system Inspetions Part b, c, d, a W AD 2007-0	cted all fluid carr and e. Part b nex 15-15 I/A/W MSB s. Part 2 next du	10 #2 78/80. #3 78/80. #4 78/80. #5 79/80. # dd (11) quarts of Aeroshell 100W+. Checked ying hoses. Washed engine and test ran, not t due at 53/8 5 ACTT. Parts c and e are ne 94-4G Part 2 (Backlash Inspection) position e at 5368 5 Part 3 next due at 5509.8. with a 100 Hour Inspection and repaired in accordance with a 100 Hour Inspection and repaired in accordance of the second	ext due 01/2013. Part dinext due at the sand readings as follows: (1) .040
	I certify this engine is and was determined	has been insper d to be in an ain	cted in accordance worthy condition. Po		Work Order: 22811-12-20
	DATE: 1/13/201		SIGNED:	per foward	Printed by EBis 3 (datcomedia con
			Robin Howard Conified Repair	Station No TO3R874L	
	WISE	MAN	650 West Sha Flagstaff Pullia Flagstaff, AZ 928.779.95	m Airport Hours: 5246.9 FSO-1 86001 01/16/12	12-0015
	• Dr Jeff Gerlak 3			Ots. Of Exon Elite 20W-50	

RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Entries mu	ust be endorsed with Name	ests, Repairs and Alteration, Rating and Certificate Number of ack pages for other specific entries	of
ENGINE MODE 520 H ENGINE SIN (R REG. NO. 421M WORK ORDER 23768-01-2013 Right Engin) 235257 R Y	Me saice	 Maintenance 	Howard Aviation, Inc. Repair Station No. TO3R874L 1401 Fairplex Drive La Verne, CA 91750 Phone: 909-593-2596	DATE: 1/29/2013 ACTSN: 5310.8 ENGSTT(R): 2019.95 TSMOH (R): 562.6 HOBBS: 5248.8	
72/80 #6 77/8 Checked mag ran, no visible next due Jan 2 (Backlash Inspired due at 55/1 Loertify this engir	0 Cleaned, timing Insp leaks appar 014. Part d ection) posi 09.8. he has been in hed to be in a	gapped, tested a ected and pressi entC/W AD 20 next due at 5810 tions and reading	and rotated spar ure checked exh 00-01-16 L/A/W 0 8 ACTT, Part f gs as follows: (1)	k plugs. Changed oil and fifter, add aust system. Inspected all fluid car Part b, c, d, and e. Part b next due next due at 5672 5 ACTTCAW A) .040 (2) .040 (3) .040 (4) .040 inc ur inspection and repaired in accordance.	#80. #2 72/80. #3 78/80. #4 72/80. #5 ded (11) quarts of Aeroshell 100W+. rrying hoses. Washed engine and test at 5360.8 ACTT. Parts c and e are D 2007-05-15 IAVM MSB94-4G Part 2 thes. Part 2 next due at 5410.8 Part 3 ce with current Federal Aviation Regulations station under Repair Order 23768-01-2013.	
DATE: 1/29/20	13	Robin Howa	ard pair Station No. To	D3R874L	Work Order: 23768-01-2013 Printed by EBis 3 (datcomedia.com)	

ENGINE MODEL GTSIO 520 H ENGINE S/N (R) 235257 R REG NO 421MY WORK ORDER 23867-02-2013

DA

HOWARD AVIATION, INC. Avionics - Maintenance Howard Aviation, Inc.

Repair Station No. TO3R874L 1401 Fairplex Drive La Verne, CA 91750 Phone 909-593-2596

DATE: 2/14/2013 A/C TSN 53145 ENG TT (R): 2085 65 TSMOH (R) 566 3 HOBBS 5252 5

ratio

nbern

entre

Right Engine Entries

Changed oil from Aeroshell 100W+ to (11) quarts Exxon Elite 20W50. Washed engine and test ran, no leaks found

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements Pertinent details of the repair are on file at this Repair Station under Repair Order 23867-02-2013

DATE: 2/14/2013

SIGNED

Robin Howard

Work Order: 23867-02-2013

Printed by EBis 3 (datcomedia com)

ENGINE MODEL: GTSIO 520 H

ENGINE S/N (R) 235257 R REG NO 421MY WORK ORDER 24731-01-2014

HOWARD AVIATION, INC Avionics - Maintenance

Robin Howard

Howard Aviation, Inc.

Repair Station No. TO3R8741 1401 Fairplex Drive La Verne CA 91750 Phone: 909-593-2596

DATE: 1/21/2014 A/C TSN: 5370.2 ENG TT (R): 2141.35 TSMOH (R): 622 HORRS: 0.3

Right Engine Entries

Found on right engine #4 and #6 valve cover gaskets leaking. Removed, cleaned and installed new RAM valve cover gaskets. Solvent washed engine...Tightened EGT probe clamp...R&R oil filter and inspected for metal, none found.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertners details of the repair are on file at this Repair Station under Repair Order 24731-01-2014.

DATE: 1/21/2014

SIGNED

Certified Repair Station No. TO3R874L

Work Order: 24731-01-2014

Certified Repair Station No. TO3R874L

ENGINE MODEL: GTSIO 520 H ENGINE SIN (R): 235257 R REG NO 421MY WORK ORDER



Howard Aviation, Inc.

Repair Station No. T03R874L 1401 Fairplex Drive La Verne, CA 91750 Phone 909-503-2596 DATE: 2/14/2014 A/C TSN: 5375.7 ENG TT (R): 2146.85 TSMOH (R): 627.5 HOBBS: 5.8 ons

is.)

Right Engine Entries

24520-02-2014

Performed differential compression test: #1 76/80, #2 78/80, #3 76/80, #4 79/80, #5 71/80, #6 75/80. Cleaned, gapped, tested and rotated spark plugs. Changed oil and filter, added (11) quarts of Exxon Elite 20W50 oil. Checked mag timing, Inspected and pressure checked exhaust system. Inspected all fluid carrying hoses. Washed engine and test ran, no visible leaks apparent...C/W AD 2000-01-16 I/AW MPart b, c, d, and e. Part b next due at 5425.7 ACTT.. Parts c and e are next due Feb 2015. Part d next due at 5875.7 ACTT...CW AD 2007-05-15 I/AW MSB94-4G Part 2 (Backlash Inspection) positions and readings as follows: (1) .050 (2) 040 (3) .040 (4) .040 inches. Part 2 next due at 5475.7 Part 3 next due at 5688.5.

I centify this engine has been inspected in accordance with a 100 Hour Inspection and repaired in accordance with current Federal Aviation Regulations and was determined to be in an aniworthy condition. Pettigned dytals of the repair are on file at this Repair Station under Repair Order 24820-02-2014.

DATE: 2/14/2014

SIGNED: KARWEN

Work Order: 24820-02-2014

Robin Howard Certified Repair Station No. TO3R874L Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: GTSIO 520 H ENGINE S/N (R): 235257 R REG NO 421MY

WORK ORDER

24884-03-2014

HOWARD AVIATION, INC.

Howard Aviation, Inc.

Repair Station No. TO3R874L 1401 Fairplex Drive La Verne, CA 91750 Phone, 909-593-2596 DATE: 3/14/2014 A/C TSN: 5380.9 ENG TT (R): 2152.05 TSMOH (R): 632.7 HORRS: 11

Right Engine Entries

R&R both magnetos for 500 hour inspection by Aero Accessories. These magnetos C/W AD 94-01-03R2 and 94-06-09.

The arriframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertnent details of the repair are on file at this Repair Systems under Repair Order 24894-03-2014

DATE: 3/14/2014

SIGNED: Howard

Work Order: 24884-03-2014

Certified Repair Station No. TO3R874L

ENGINE MODEL: GTSIO 520 H ENGINE S/N (R) 235257 R REG NO 421MY WORK ORDER 25565-12-2014



Howard Aviation, Inc.

Repair Station No. TO3R874L 1401 Fairplex Drive La Verne, CA 91750 Phone: 909-593-2596

DATE: 12/12/2014 | A/C TSN: 5418 9 ENG TT (R) 2190.05 TSMOH (R) 6707 HOBBS 49

Right Engine Entries

Changed oil & filter, added (11) quarts of Exxon Elite 20W50 oil. Took oil sample for analysis. Washed engine, test ran, no leaks found...C/W AD 2000-01-16 I/A/W Part b. next due at 5468.9 ACTT.

The arframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Stattor Under Repair Order 25565-12-2014

DATE: 12/12/2014

SIGNED:

Work Order: 25565-12-2014

Robin Howard Certified Repair Station No. TO3R874L

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: GTSIO 520 H ENGINE S/N (R): 235257 R REG. NO. 421MY WORK ORDER 25791-02-2015

HOWARD AVIATION, INC.

Howard Aviation, Inc.

Repair Station No. TO3R874L 1401 Fairplex Drive La Verne, CA 91750 Phone: 909-593-2596

DATE: 3/19/2015 A/C TSN 5429.3 ENG TT (R) 2200 45 TSMOH (R): 681.1 HOBBS: 59.4

Right Engine Entries

Performed differential compression test: #1 72/80, #2 68/80, #3 75/80, #4 77/80, #5 74/80, #6 72/80, Cleaned, gapped, tested and remonted differential compression (e.g. #) 7000, # 2 0000, # 3 10 rotated spark plugs. Checked mag unling, inspected and pressure checked exhaust system, inspected an nuid carrying noises. Washed engine and test ran, no visible leaks apparent. ...CW AD 2000-01-16 I/AW Part b, c, d, and e. Part b next due at 5479.3 ACTI. Parts candle are next due at 2010. Part dinext due at 3028 3 ACTI....C/VV AD 2007-05-15 VAVV MODEM-NO Fait & Education Inspection) positions and readings as follows: (1) .040 (2) .050 (3) .040 (4) .040 inches. Part 2 next due at 5529.3 ACTT. Part 3 next

Loarly this engine has been inspected in accordance with a 100 Hour Inspection and repaired in accordance with current Federal Aviation Regulations and was determined to be in an accordance Participal Regulations of the property of the Participal Partic Londy this engine has been inspected in accordance with a 100 Hour Inspection and repaired in accordance with current Federal Aviation Regulations and was determined to be in an airworthy condition. Peningril details of the repair are on file at this Repair Station under Repair Order 25791-02-2015.

Certified Repair Station No TO3R874L

Work Order: 25791-02-2015

ENGINE MODEL: GTSIO 520 H ENGINE S/N (R): 235257 R REG. NO: 421MY NORK ORDER:

YEAR

DATE

HOWARD AVIATION, INC.

Howard Aviation, Inc.

Repair Station No. TO3R874L 1401 Fairplex Drive La Verne, CA 91750 Phone: 909-593-2596 DATE: 12/4/2015 A/C TSN: 5475 5 ENG TT (R): 2246.65 TSMOH (R): 727.3 HOBBS: 105.6

Right Engine Entries

26431-12-2015

Changed oil & filter, added (11) quarts of Exxon Elite 20W50 oil. Took oil sample for analysis. Washed engine, test ran, no leaks found. C/W AD 2000-01-16 part b exhaust inspection, no defects found.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 26431-12-2015.

DATE: 12/4/2015

SIGNED:

lower

Work Order: 26431-12-2015

Robin Howard Certified Repair Station No. TO3R874L

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: GTSIO 520 H ENGINE S/N (R): 235257 R REG NO: 421MY WORK ORDER: 26699-03-2016

HOWARD AVIATION, INC.

Howard Aviation, Inc.

Repair Station No. TO3R874L 1401 Fairplex Drive La Verne, CA 91750 Phone: 909-593-2598 DATE: 4/1/2016 A/C TSN: 5489.5 ENG TT (R): 2260.65 TSMOH (R): 741.3 HOBBS: 119.6

Right Engine Entries

Performed differential compression test: #1 76/80. #2 72/80. #3 77/80. #4 76/80. #5 72/80. #6 75/80. Cleaned, gapped, tested and rotated spark plugs. Checked mag timing. Inspected and pressure checked exhaust system. Inspected all fluid carrying hoses. Washed engine and test ran, no visible leaks apparent. ..CW AD 2000-01-16 I/ANW Part b. c. d, and e. Part b next due at 5539.5 I/ANW ADS894-4CP art 2 (Backlash inspection) positions and readings as follows: (1) .040 (2) .050 (3) .040 (4) .040 inches. Part 2 next due at 5589.5 ACTT. Part 3 next due at 5688.8 ACTT.

I certify this engine has been inspected in accordance with a 102 Hour Inspection and repaired in accordance with current Federal Aviation Regulations and was determined to be in an airworthy condition. Pertinery details of the regular are on file at this Repair Station under Repair Order 26599-03-2016.

DATE: 4/1/2016 SIGNED:

Work Order: 26699-03-2016
Printed by EBis 3 (datcomedia.com)

Robin Howard Certified Repair Station No. TO3R874L

YEAR DATE



2650 W Shamrell Blvd Flagstaff Pulliam Airport Flagstaff, AZ 86001 928 779 9585 Phone A V I A T I O N 928.779.9586 Fax

N421MY Tach: 1134.2

Right Engine FSO-57446

's and Alteration ertificate Number ther specific entre

July 18, 2016

	Replaced right tach generator with overhauled exchange. Rory T. Goforth 2736122 IA
\supset	Nory 1. Goldfill 27361221A
-	

ENGINE MODEL: GTSIO 520 H ENGINE S/N (R): 235257 R REG NO 421MY WORK ORDER 27630-04-2017



Howard Aviation, Inc.

Repair Station No. TO3R874L 1401 Fairplex Drive La Verne, CA 91750 Phone: 909-593-2596

DATE: 5/10/2017 A/C TSN 5541.4 ENG TT (R): 2312 55 TSMOH (R) 793.2 HOBBS: 171.5

Right Engine Entries

Performed differential compression test: #1 72/80. #2 74/80. #3 74/80. #4 77/80. #5 72/80. #6 76/80. Changed oil and filter, added (11) quarts of Exxon Elite 20W50. Took oil sample for analysis. Checked mag timing. Inspected and pressure checked exhaust system. Inspected all fluid carrying hoses. Washed engine and test ran, no visible leaks apparent... C/W AD 2000-01-16 VAW Part system, inspecies an insulacing repose, separate displice and less tell, the visible reads appeared in the control of the cont o, c, g, and e, rant orientation at 3532 August 1872 (Backlash Inspection) positions and readings as follows: (1) .03 (2) .03 (3) .03 (4) .03 inches.

I centry this engine has been inspected in accordance with a 100 Hour Inspection and repaired in accordance with current Federal Aviation Regulations Learly this engine has been inspected in accordance with a 10th hour inspection and repaired in accordance with current reductal insulations and was determined to be in an anworthy condition. Pertinent details of the repair are on file at this Repair Station under Repair Order 27630-04-2017.

Robin Howard	rtopan Order 27
Robin Howard Certified Repair Station No. TO3R874L	Work Order: 2
100/10/4[Printed by EBis 3 (date

7630-04-2017 tcomedia.com)

ENGINE MODEL: GTSIO HOWARD AVIATION, INC. ENGINE S/N (R): 235257 R REG NO 421MY WORK ORDER 28039-12-2017

Howard Aviation, Inc.

Repair Station No. TO3R8741 1401 Fairplex Drive La Verne, CA 91750 Phone: 909-593-2596

DATE: 12/21/2017 AC TSN: 5567 9 ENG TT (R): 2339.05 TSMOH (R): 819.7 HOBBS: 198

tions rof ries.)

Right Engine Entries

Changed oil & filter, added (11) quarts of Exxon Elite 20W50 oil. Took oil sample for analysis. Washed engine, test ran, no leaks found.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station-under Repair Order 28039-12-2017.

DATE: 12/21/2017

SIGNED: Robin Howard

Certified Repair Station No. TO3R874L

Work Order 28039-12-2017 Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: GTSIO 520 H

ENGINE S/N (R): 235257 R REG NO 421MY WORK ORDER 28247-05-2018

HOWARD AVIATION.

Howard Aviation, Inc.

Repair Station No. TO3R874L 1401 Fairplex Drive La Verne, CA 91750 Phone: 909-593-2596

DATE: 5/29/2018 A/C TSN: 5588 6 ENG TT (R): 2359.75 TSMOH (R): 840.4 HOBBS: 218.7

Right Engine Entries

Performed differential compression test: #1 72/80. #2 78/80. #3 76/80. #4 74/80. #5 78/80. #6 72/80. Cleaned, gapped, tested and rotated spark plugs. Changed oil and filter, added (11) quarts of Exxon Elite 20W50. Took oil sample for analysis. Checked mag timing. Inspected and pressure checked exhaust system. Inspected all fluid carrying hoses. Washed engine and test ran, no visible leaks apparent ... C/W AD 2000-01-16 I/A/W Part b, c, d, and e. Part b next due at 5638.6 ACTT. Parts c and e are next due 5/2019. Part d next due at 5688 6 ACTT...C/W AD 2007-05-15 I/A/W MSB94-4G Part 2 (Backlash Inspection) positions and readings as follows: (1) .050 (2) .050 (3) .050 (4) .050 inches. Part 2 next due at 5686.6 ACTT. Part 3 next due at 5668.5 ACTT.

Learlify this engine has been inspected in accordance with a 100 Hour Inspection and repaired in accordance with current Federal Aviation Regulations and was determined to be in an airworthy condition. Pertingot fetalls of the repair are on file at this Repair Station under Repair Order 28247 45-2018.

DATE: 5/29/2018

SIGNED

Work Order: 28247-05-2018

Robin Howard Certified Repair Station No. TO3R874L

YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TIME IN	Description of In Entries must be ende Technician or Repair	spections, Tes	ts, Repair
DATE	TIME		SERVICE	Technician or Repair	Facility. (See back	pages for o
D	AA	2650	W Shamrell	Blvd Naganay	Right Engine	
No.	IVE	Flags	taff Pulliam A	Airport Hobbs: 261.2		
WI	SEMA	928 7	79 9585 Dhe	SMOH- SS2 O		
AV	TATIO	N 928.7	79.9586 Fax	Juni	e 19 2010	
Comp	oleted annual ins	pection in a	accordance w	AND ADDRESS OF THE PARTY OF THE		
→ Dr:	mpression test: #	#1 66/80 #2	2 70/80 #3 64/	ith Cessna 421 series man /80 #4 76/80 #5 77/80 #6 7	<u>ual.</u> 5/80	
12qts	Exxon Flite 2014	MED all	contamination	/80 #4 76/80 #5 77/80 #6 79 n, installed new CH48111-1	filter, serviced with	
7 CIE	aned induction a	air filter				
	eaned, gapped, te eaned fuel screen		rotated spark	plugs.		
+ Lut	bed engine contri					
AUS						
+ AD	s checked through	starter aga igh cycle 20	ipter per par. (1)19-12	(h), next due 6/20 or 5681.1		
for ref	fy this engine har	s been insp	ected in accor	rdance with FAR 43 append		
Rory	T. Goforth 27361:	22 14 —	-	append	Dix D and is approved	
		2217	1		1	
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RECORDING TACH TIME

TODAY'S FLIGHT

JATOT TIME IN SERVICE **Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name. Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)



2650 W Shamrell Blvd Flagstaff Pulliam Airport Flagstaff, AZ 86001 928,779,9585 Phone

N421MY

Hobbs: 297.2 TTAF: 5667.1

SMOH: 918.9 WO-658 August 13, 2020

RF/235257-R

Completed annual inspection in accordance with Cessna 421 series manual.

- + Compression test: #1 75/80 #2 76/80 #3 68/80 #4 72/80 #5 72/80 #6 72/80.
- + Drained oil, inspected filter, no contamination, installed new CH48111-1 filter, serviced with 12qts Exxon Elite 20W50 oil
 - → Cleaned induction air filter.
 - + Cleaned, gapped, tested, and rotated spark plugs.
 - + Cleaned fuel screens

 - + Lubed engine controls. Additional Maintenance
 - → Exhaust system sent out for inspection per AD 2000-01-16 para. (g). Reinstalled inspected exhaust system. Replaced all AN3C13, AN3C17 bolts, AN310C3 nuts, and 652485 Gaskets with new bolts and
 - gaskets. + Replaced #1 and #5 cylinder exhaust studs with new studs PN: SA638125.
 - AD's → 07-05-15 Inspected starter adapter per par. (h), next due 5767.1, or 08/21.
 - + AD's checked through cycle 2020-16.

I certify this engine has been inspected in accordance with CFR 43 appendix D and is approved for return to service.

Randall T Hamilton 2740756 IA

9 1	A	D NOT	N421MY ES COMPLIANCE RECORD				RIG	07/27/2009 SHT
AD#	Applicable S.B. # & Subject	Date & Hours @ Comp.	Method of Compliance		One Time	Recurring	Next Comp. @ Hrs/Date	Authorized Signature & Number
9.13	Turbocharger oil inlet adapters	08/03/04 0.00	NOT FITTED	7	1	x		
-22 R1	Crankcase cracks	08/03/04 0.00	NOT APPLICABLE TO INSTALLATION	+	1	x		
5-09	Oil pressure relief valve	08/03/04 0.00	COMPLIED WITH AT OVERHAULL	1,	1	+		
-11	Starter torsional separation damper	08/03/04 0.00	NOT APPLICABLE BY OVERHAULER	1	1	+		12
-06	Fuel pump	08/03/04 0.00	NOT APPLICABLE NOT FITTED	1	×	\dagger		15.
I-04 R3	Cylinder assemblies	08/03/04 0.00	NOT APPLICABLE NOT FITTED		x			-
-06	Oil filter	08/03/04	NOT APPLICABLENOT FITTED	х				(ST)
0-03	Champion oil filter	08/03/04	NOT APPLICABLE BY AIRCRAFT TYPE	х				RA DE
4-12	Cylinder valve retainer	08/03/04	COMPLIED WITH AT OVERHAUL	x	1			3
1-15	Low octane detonation	08/03/04	NOT APPLICABLE BY AIRCRAFT REGISTRATION	х				È
41	Engine teardown and analytical inspect.	08/03/04	NOT APPLICABLE BY AIRCRAFT REGISTRATION	×				3
-01	Crankshafts	08/03/04	NOT APPLICABLE NOT FITTED	×	1			
3-10	Crankshaft failure	08/03/04	NOT APPLICABLE NOT FITTED	×	+	_	_	
1	Prevent loss of engine power	27/07/05	NOT APPLICABLE-NO ECI CYLINDERS	X	1		V	1000