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LEFT

TP 14182E



(12/2003)

## Engine Logbook



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Canada

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
				<p>Butler Aviation LLC 1810 4th Street Graham, TX 76450 940 521 9508</p> <p>Lycoming TIO-540-J2BD</p> <p>Engine 1 Logbook</p>		
4/17/2013				<p>N371MC Hobbs Hours: 2701.2 :: #1 Engine SMOH: 1057.3 Completed 100 Hour inspection in accordance with manufacturers inspection procedures manual. Checked Compressions 1=74, 2=78, 3=75, 4=X, 5=78, 6=74 Removed #4 cylinder due to low compression. Replaced #4 cylinder with New Lycoming Cylinder kit 05K21108 as per Lycoming Overhaul manual Drained oil, sent sample off for analysis no defects found. Inspected filter for contaminants, none found Inspected exhaust and intake for damage, none found Installed 12 new Champion RHB32E spark plugs Installed 12 qts AeroShell 100 mineral oil Installed Champion CH48103 oil filter Run engine and checked for leaks, none found I certify that this Engine has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition.</p>		
				<p>Signed <u>William Butler</u> William Butler A&amp;P3172474</p>		
				<p>10/21/2016 N371MC Hobbs 2836.0 SMOH 1192.1 Lycoming LTIO-540 J2BD</p> <p>left Engine Logbook</p> <p>Completed 100 Hour inspection in accordance with manufacturers inspection procedures manual. Checked Compressions 1=77 2=71 3=71 4=74 5=76 6=69 Changed oil and filter Serviced with 12 quarts Aeroshell 15w-50 and AA48103 filter I certify that this Engine has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition.</p>		
				<p>Signed <u>William Butler</u> William Butler A&amp;P3172474</p>		
7/23/17	2840 Hobbs			<p>Remove and Replace valve Cover gaskets W.B. Butler 3172474 A&amp;P</p>		
12/11/2018	1203.1	1203.7		<p>CHECKED COMPRESSION CHANGED OIL AND FILTER AND 12 QTS 15/50 I CERTIFY THAT THIS IN ACCORDANCE WITH A IN AIRWORTHY CONDITION</p>		
				<p>1=75 2=75 3=74 4=76 5=74 6=77 SERVICED WITH AA48103 FILTER CLEANED AND GAPPED SPARK PLUGS ENGINE HAS BEEN INSPECTED AND SERVICED 100/HR INSPECTION AND WAS FOUND TO BE W. Butler 3172474 A&amp;P</p>		

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Hour on T/O Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
3/9/12	2651.3	1007.3	0	100 Hour Inspection		
				<p>DRAIN THE OIL AND REMOVE THE OIL FILTER AND CUT OPEN TO METAL FOUND INSTALL                      NEW FILTER PT# 48103-1 AND SAFETY Remove THE SCREEN AND INSPECTED FOR METAL NON FOUND                      REINSTALL THE SCREEN AND SAFETY INSPECT THE EXHAUST FOR CRACKS NON FOUND INSPECT ENGINE MOUNTS                      AND DAPFLING CHECK MAGE TIMING SET AT 20 INSPECT SPINNER AND SPINNER ROCKING PLATE FOR                      CRACKS GREASE THE PROP AND INSPECT THE PROP PRICE DOOT AND TEST                      Compression Test                      Engine cold                      1.72/80      3.60/80      5.80/80                      2.70/80      4.60/80      6.64/80                      Compression Test HOT                      1.76/80      3.70/80      5.78/80                      2.72/80      4.70/80      6.72/80</p>		
				<p>THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION                      AND IS APPROVED FOR RETURN TO SERVICE</p>		
				<p>A/P 3504085                      Mark Robin</p>		
				<p>N371MC PA31-350 32-1037hobbs 2651.3                      left eng. TIO 540 J2BD sn L-7619-61A</p>		
				<p>Date 04/01/12 T.S.O.H. 1007.3</p>		
				<p>AD 2003-14-03 pcw per S.B. 539A                      AD 2008-14-07 &amp; 2009-02-03 DNA.                      I certify that this engine was inspected in accordance                      with an annual inspection and was determined to be                      in an airworthy condition.</p>		
				<p><i>Richard Lake</i>                      Richard Lake                      A&amp;P 2071154 I.A.</p>		

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Hobbs Time since new	Time since overhaul	Hours on The Oil Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
1-18-11	2651.3	1007.3	10.8	100 Hour Inspection	Mark Roly	
				Oil HAS 10.8 Hours on it Did NOT Change	AP35041083	
				Removed THE SPARK plugs AND cleaned checked compression		
				1 70/80 3 70/80 5 78/80 2 70/80 4 68/80 6 74/80		
				CHECK mag Timing SET AT 20 REPLACE BATT AIR FILTER		
				INSPECT THE EXHAUST INSPECT THE ENGINE MOUNTS		
				INSPECT THE ALTERNATOR BELT AND THE ENGINE BAFFLING		
				INSPECT THE prop deice BRUSHES		
				THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 Hour INSPECTION AND IS APPROVED FOR RETURN TO SERVICE		
				N371MC PA31-350 32-1037 hobbs 2651.3 left eng. TIO 540 J2BD sn L-7619-61A		
				Date 02/01/11 T.S.O.H. 1007.3		
				AD 2003-14-03 cw per S.B. 539A Installed / new Kelly pump by Aero Recip AMO no. 45-89 dated 03/09/05. AD 2008-14-07 & 2009-02-03 DNA.		
				I certify that this engine was inspected in accordance with an annual inspection and was determined to be in an airworthy condition.		
				<i>Richard Lake</i>		
				Richard Lake A&P 2071154 I.A.		



Section 1: Record of engine maintenance and elementary work

Date --/--/--	Hobbs Time since new	Time since overhaul	Hour on oil Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO	
1/26/10	2592.2	948.2	29.1	DRAIN THE OIL AND FOUND INSTALLED A NEW AND INSPECTED NO METAL 12 QT AEROSHELL 15-50 THIS ENGINE IS APPROVED COMPRESSION TEST 1.72/80 3.70/80 5.80/80 2.74/80 4.74/80 6.70/80	REMOVED THE FILTER AND CUT NO METAL FILTER AND SAFETY REMOVED THE SCREEN FOUND REINSTALLED AND SAFETY ADD TEST RUN THE ENGINE NO LEAKS FOUND FOR RETURN TO SERVICE	AP 365700932 Mark Robin	
3/18/10	2609.9	965.9	17.7	DRAIN THE OIL AND FOUND REPLACE THE FILTER INSPECTED NO METAL FOUND 12 QT AEROSHELL 15-50 TEST THIS ENGINE IS APPROVED COMPRESSION TEST 1.70/80 3.70/80 5.76/80 2.76/80 4.74/80 6.74/80	REMOVED THE FILTER AND CUT NO METAL AND SAFETY REMOVED THE SCREEN AND REINSTALL THE SCREEN AND SAFETY ADD 12 RUN THE ENGINE NO LEAKS FOUND FOR RETURN TO SERVICE	AP 365700932 Mark Robin	
5/26/10	2630.2	986.2	20.3	DRAIN THE OIL REMOVE INSTALL NEW FILTER AND NO METAL FOUND REINSTALL 15-50 TEST RUN NO LEAKS TO SERVICE COMPRESSION TEST DONE HOT 1.72/80 3.72/80 5.76/80 2.74/80 4.70/80 6.70/80	THE FILTER AND CUT OPEN NO METAL FOUND SAFETY REMOVE THE SCREEN AND INSPECT THE SCREEN AND SAFETY ADD 12 QT AEROSHELL FOUND THIS ENGINE IS APPROVED FOR RETURN	AP 365700932 Mark Robin	





Section 1: Record of engine maintenance and elementary work

Date --/--/--	Hobbs Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
7/6/09	2469.4	825.4	26.8	DRAIN THE OIL AND REMOVE INSTALL NEW FILTER AND METAL FOUND REINSTALL THE THE SPARK PLUGS CHECK 4.72/80 6.72/80 ADD 12QT THIS ENGINE IS APPROVED	Mark Robm PP365700932	
8/3/09	2484.1	840.1	14.7	DRAIN THE OIL REMOVE NEW FILTER AND SAFETY FOUND REINSTALL THE SPARK PLUGS CHECK THE 15-50 TEST RUN THE ENGINE FOR RETURN TO SERVICE COMPRESSION TEST 1.74/80 3.76/80 5.78/80 2.76/80 4.74/80 6.70/80	Mark Robm PP365700932	
8/27/09	2508.2	864.2	24.1	DRAIN THE OIL AND FOUND INSTALL NEW AND INSPECT NO METAL ADD 12 QT AEROSHOLL FOUND THIS ENGINE COMPRESSION TEST 1.70/80 3.76/80 5.78/80 2.70/80 4.72/80 6.72/80	Mark Robm PP365700932	
9/17/09	2530.4	886.4	22.2	DRAIN THE OIL AND REMOVE INSTALL NEW FILTER AND NO METAL FOUND REINSTALL AEROSHOLL 15-50 TEST THIS ENGINE IS APPROVED COMPRESSION TEST 1.74/80 3.72/80 5.76/80 2.72/80 4.74/80 6.72/80	Mark Robm PP365700932	

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Hobbs Time since new	Time since overhaul	Hours on O.V. Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
1/23/09	2379.5	735.5	12	Replace Airpump with AN overhauled Pump From Holly Aero PT# 44100-7 SN 15335 Service THIS ENGINE IS APPROVED FOR RETURN TO	AP 365700932	
					Mark Rolin	
	2385.2	741.2	5.7	INSTALL NEW E.G.T. Probe THIS ENGINE IS APPROVED AND TEST PT# 481-358 FOR RETURN TO SERVICE	AP 365700932	
					Mark Rolin	
2/19/09	2388.9	744.9	3.7	DRAIN THE OIL REMOVE THE FILTER AND CUT NO METAL FOUND INSTALL NEW FILTER PT# 48103-1 AND SAFETY REMOVE THE SCREEN AND INSPECT NO METAL FOUND REPLACE SCREEN AND SAFETY ADD 12QT AEROSHELL 15-50 AND RUN THE ENGINE NO LEAKS FOUND THIS ENGINE IS APPROVED FOR RETURN TO SERVICE COMPRESSION TEST 1.74/80 3.74/80 5.76/80 2.72/80 4.72/80 6.70/80	Mark Rolin	AP 365700932
					Mark Rolin	
					AP 365700932	
4/13/09	2417.6	773.6	28.7	DRAIN THE OIL AND REMOVE THE FILTER AND CUT NO METAL FOUND INSTALL NEW FILTER AND SAFETY REMOVE THE SCREEN AND INSPECT NO METAL FOUND REINSTALL THE SCREEN AND SAFETY CLEAN AND GAP ALL 12 SPARK PLUGS AND TEST ADD 12 QT AERO SHELL 15-50 AND TEST RUN THE ENGINE NO LEAKS FOUND THIS ENGINE IS APPROVED FOR RETURN TO SERVICE COMPRESSION TEST 1.74/80 3.78/80 5.76/80 2.74/80 4.76/80 6.72/80	Mark Rolin	AP 365700932
					Mark Rolin	
					AP 365700932	





Section 1: Record of engine maintenance and elementary work

Date --/--/--	Hobbs Time since new	Time since overhaul	Hours on THE OIL Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
3/21/08	2278.1	634.1	20.4	DRAIN THE OIL AND metal Found Replace THE AND INSPECT NO METAL Add 12 QT Aeroshell 15 Engine is Approved For Compression Test	Mark Rahn	
			1. 70/80 3. 76/80 5. 76/80			
			2. 74/80 4. 74/80 6. 70/80			
6/14/08	2299.9	655.9	21.8	DRAIN THE OIL AND Rem Found INSTALL New FILTER AND INSPECT NO METAL Fou 12QT aeroshell 15-50 Test Engine is Approved For Compression Test	Mark Rahn	
			1. 74/80 3. 76/80 5. 74/80			
			2. 72/80 4. 72/80 6. 72/80			
6/30/08	2326.3	682.3	26.4	DRAIN THE OIL AND NO metal Found INSTALL screen AND INSPECTED and SAFETY Add 12 QT No Leaks Found THE service Compression Test	Mark Rahn	
			1. 76/80 3. 78/80 5. 76/80			
			2. 72/80 4. 72/80 6. 72/80			
				Remove THE FILTER AND cut open NO FILTER AND SAFETY Remove THE screen Found Replace THE screen AND SAFETY -50 RUN THE ENGINE NO Leaks Found THIS Return To service	Mark Rahn	A.P. 365700932
				removed THE FILTER AND cut open NO metal PT# 48103-1 AND SAFETY Remove THE screen NO Reinstall THE screen and SAFETY add RUN THE ENGINE NO Leaks Found THIS Return To service	Mark Rahn	BP 365700932
				Removed THE OIL FILTER AND cut open New FILTER AND SAFETY Remove THE NO metal Found Reinstall THE screen Aeroshell 15-50 Test RUN THE ENGINE Engine is approved For Return TO	Mark Rahn	AP-365700932

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Hobbs Time since new	Time since overhaul	HOURS ON THE OIL Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
12/18/07	2257.7	613.7	31.5	<p>100 Hour INSPECTION                      INSPECT ALL FUEL LINES                      AND ORING PT# 752-604                      CLEAN GAP AND TEST THE SPARK                      INSPECT THE EXHAUST SYSTEM                      PUMP INSPECT THROTTLE AND                      THE FILTER AND CUT NO METAL                      THE SCREEN AND INSPECT NO                      RE-FILL ENGINE WITH 12 QT                      1.76/80 3.76/80 5.78/80                      THIS ENGINE HAS B'n                      SERVICE MANUAL 100 HOUR                      AIRWORTHY CONDITION AND</p>		
				<p>CHECK MAGNETO TIMING SET TO 20 BT                      AND HYDRAULIC LINES REPLACE HYD FILTERS PT# 751-754                      REPLACE AIR FILTER ELEMENT WITH A BA-7                      PLUGS INSPECT THE ENGINE BAFFLING FOR CRACKS                      AND TURBO INSPECT FUEL PUMP AND HYD                      MIXTURE CABLES DRAIN THE OIL AND REMOVED                      FOUND REPLACE THE FILTER AND SAFETY REMOVE                      METAL FOUND REPLACE SCREEN AND SAFETY                      AEROSHELL 15-50 CHECK COMPRESSION                      2.74/80 4.74/80 6.74/80                      INSPECTED IN ACCORDANCE WITH LYCOMING                      INSPECTION AND IS FOUND TO BE IN AN                      APPROVED FOR RETURN TO SERVICE</p>		
				<p>A.P. 365700932 Mark Robin</p>		
				<p>N371MC PA31-350 32-1037</p>		
				<p>left eng. TIO 540 J2BD sn L-7619-61A                      hobbs 2257.7</p>		
				<p>Date 12/27/07 T.S.O.H. 613.7</p>		
				<p>AD 2003-14-03 cw by inspection.</p>		
				<p>I certify that this engine was inspected in accordance                      with an annual inspection and was determined to be                      in an airworthy condition.</p>		
				<p><i>Richard Lake</i></p>		
				<p>Richard Lake                      A&amp;P 2071154 I.A.</p>		

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Hobbs Time since new	Time since overhaul	Hours on the oil total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
5/4/07	2178.6	534.6	27.2	DRAIN THE OIL AND REMOVE THE FILTER AND SAFETY METAL FOUND REINSTALL THE AEROSHELL 15-50 TEST RUN NO RETURN TO SERVICE COMPRESSION TEST 1. 74/80 3. 78/80 5. 76/80 2. 76/80 4. 74/80 6. 76/80	Mark Robin AP.365700932	
7/2/07	2199.7	555.7	21.1	DRAIN THE OIL AND REMOVE THE FILTER AND SAFETY FOUND REINSTALL THE SCREEN TEST RUN THE ENGINE FOR RETURN TO SERVICE COMPRESSION TEST 1. 74/80 3. 76/80 5. 74/80 2. 72/80 4. 76/80 6. 76/80	Mark Robin 365700932	
10/4/07	2226.2	582.2	26.5	DRAIN THE OIL AND NO METAL FOUND REPLACED REMOVED THE SCREEN AND SCREEN AND SAFETY REFILL THE ENGINE NO LEAKS FOUND SERVICE COMPRESSION TEST 1. 72/80 2. 74/80 5. 78/80 2. 74/80 4. 72/80 6. 74/80	Mark Robin 365700932	

Section 1: Record of engine maintenance and elementary work

Date --/--/07	Hobbs Time since new	Time since overhaul	Hours on the oil Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO	
2/15/07	2101.7	457.7	25.2	Drain THE OIL AND Remove INSTALL new FILTER AND SAFETY no metal Found Reinstall 15-50 Test Run THE Engine For RETURN To service compression Test 1. 70/80 3. 78/80 5. 78/80 2. 74/80 4. 76/80 6. 72/80	THE FILTER AND CUT THERE WAS NO metal Found Remove THE screen AND INSPECT THERE WAS THE screen and SAFETY add 12 QT aeroshell NO Leaks Found THIS Engine is Approved	Mark Robins 365700932	
3/14/07	2128.8	484.8	27.1	DRAIN THE OIL AND Found REPLACE THE FILTER inspect NO metal Found Remove THE Fuel INJECT AND check For Leaks Run NO Leaks Found To service compression Test 1. 74/80 3. 76/80 5. 76/80 2. 74/80 4. 74/80 6. 74/80	Remove THE FILTER AND cut NO metal And SAFETY Remove THE screen AND Replace THE screen AND SAFETY on nosals AND clean Replace THE nosals add 12 QT aeroshell 15-50 TEST THIS Engine is Approved For RETURN	Mark Robins 365700932	
3/30/07	2151.4	507.4	22.6	DRAIN THE OIL AND Found INSTALL new FILTER NO metal Found Reinstall Aeroshell 15:50 Remove Found oil inside PT 10-6829 From QUALITY AIRCRAFT ACCESS Timing to 22° Test RAN THE For RETURN To service Hot compression Test 1. 76/80 3. 76/80 5. 74/80 2. 74/80 4. 76/80 6. 76/80	Remove THE FILTER AND CUT NO metal And SAFETY Remove THE screen AND INSPECT THE screen AND SAFETY ReFill WITH 12 QT THE Magneto THE Engine FAILED To START 10-13 SN 824006 INSTALLED overHAlD magneto Series PT 10-682910-12 - SN C129601GL Set THE Engine NO Leaks Found THIS Engine is Approved	Mark Robins AP 365700932	

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Hobbs Time since new	Time since overhaul	Hours on THE Total cycles OIL	Details of task	Signature	AME ACA/AMO SCA/AMO	
9/22/06	2059.0	415.0	26.8	DRAIN THE OIL AND REMOVED FILTER WITH A NEW 48103-1 METAL FOUND REINSTALL THE TEST RUN THE ENGINE NO LEAKS COMPRESSION TEST 1.79/80 3.76/80 5.76/80 2.72/80 4.72/80 6.76/80	THE FILTER AND CUT NO METAL FOUND REPLACE THE AND SAFETY REMOVED THE SCREEN AND INSPECT NO SCREEN AND SAFETY ADD 12 QT AEROSHOLL 15-50 FOUND THE ENGINE IS APPROVED FOR RETURN TO SERVICE	Mark Robins AP.365700932	
10/27/06	2076.5	432.5	17.5	DRAIN THE OIL AND REMOVED THE FILTER WITH A NEW 48103-1 NO METAL FOUND REPLACE THE 15-50 AND RUN THE ENGINE RETURN TO SERVICE COMPRESSION TEST 1.72/80 3.76/80 5.74/80 2.74/80 4.74/80 6.74/80	THE FILTER AND CUT NO METAL FOUND REPLACE AND SAFETY REMOVE THE SCREEN AND INSPECT SCREEN AND SAFETY FILL WITH 12 QT AEROSHOLL NO LEAKS FOUND THIS ENGINE IS APPROVED FOR	Mark Robins AP.365700932	
Date 12/4/06 Hobbs 2080.2 TIO 540 J2BD SN# L-7619-61A TTSOH 436.2 100 Hour inspection at this time there is 3.7 hours on the oil so it will not be changed at this time . compression test #1.72/80 #3.76/80 #5.74/80 #2.74/80 #4.74/80 #6.74/80 clean gap and test the spark plugs install anew air filter element PT# BA-7 check the magneto timing set to 20 degrees inspect the exhaust and the exhaust tailpipe inspect the engine baffling inspect turbo mounting and all turbo pluming inspect throttle and mixture cables. there are no new AD on this engine This engine has bin inspected in accordance with the Lycoming service manual and found to be in airworthy condition and approved for return to service AP 365700932 Mark Robins Mark Robins				N371MC PA31-350 32-1037 hobbs 2080.2 left eng. TIO 540 J2BD sn L-7619-61A Date 12/11/06 T.S.O.H. 436.2 AD 2003-14-03 cw by inspection. I certify that this engine was inspected in accordance with an annual inspection and was determined to be in an airworthy condition. Richard Lake Richard Lake A&P 2071154 I.A.			

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Hobbs Time since new	Time since overhaul	Hours on Total cycles THE OIL	Details of task	Signature	AME ACA/AMO SCA/AMO	
5/31/06	1957.5	313.5	21.7	DRAIN THE OIL AND REMOVE FILTER AND SAFETY REMOVE THE THE SCREEN AND SAFETY REFILL NO LEAKS FOUND THIS ENGINE COMPRESSION TEST 1. 76/80 3. 78/80 5. 76/80 2. 76/80 4. 74/80 6. 76/80	THE FILTER AND CUT NO METAL FOUND REPLACE THE SCREEN AND INSPECT NO METAL FOUND REPLACE WITH 12QT AEROSHELL 15-50 TEST RUN THE ENGINE IS APPROVED FOR RETURN TO SERVICE	Mark Rolan	AP 365700932
7/7/06	1978.5	334.5	21	DRAIN THE OIL AND REMOVE THE FILTER WITH A NEW 48103- FOUND REPLACE THE SCREEN AND THE ENGINE NO LEAKS FOUND SERVICE COMPRESSION TEST 1. 76/80 3. 78/80 5 78/80 2 74/80 4. 76/80 6 74/80	THE FILTER AND CUT NO METAL FOUND REPLACE 1 REMOVE THE SCREEN AND INSPECT NO METAL SAFETY ADD 12 QT AEROSHELL 15-50 TEST RUN THIS ENGINE IS APPROVED FOR RETURN TO SERVICE	Mark Robin	AP. 365700932
8/17/06	2006.5	362.5	28	DRAIN THE OIL AND REMOVED FILTER AND SAFETY REMOVE THE THE SCREEN AND SAFETY ADD AIRBORNE DRY AIR PUMP PT.# NO LEAKS FOUND THIS ENGINE COMPRESSION TEST 1. 74/80 3. 78/80 5. 78/80 2. 76/80 4. 76/80 6. 74/80	THE FILTER AND CUT NO METAL FOUND REPLACE THE SCREEN AND INSPECT NO METAL FOUND REPLACE 12 QT AEROSHELL 15-50 ALSO INSTALL A NEW 441 CC. SN# 12285 TEST RUN THE ENGINE IS APPROVED FOR RETURN TO SERVICE	Mark Rolan	365700932
8/29/06	2032.2	388.2	25.7	DRAIN THE OIL AND REMOVE THE FILTER AND SAFETY REMOVE 1. REPLACE THE SCREEN AND THE STARTER WITH AN OVERHA REPLACE THE RING GEAR WITH THIS ENGINE IS APPROVED FOR COMPRESSION TEST 1 76/80 3 78/80 5 78/80 2 76/80 4 74/80 6 76/80	THE FILTER AND CUT NO METAL FOUND REPLACE THE SCREEN AND INSPECT NO METAL FOUND SAFETY ADD 12 QT AEROSHELL 15-50. REPLACE OLD STARTER FROM T&W PT# MHB 4016R PT# 72566 TEST RUN THE ENGINE NO LEAKS FOUND RETURN TO SERVICE	Mark Rolan	AP. 365700932

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Hobbs Time since new	Time since overhaul	Hours on Total cycles oil	Details of task	Signature	AME ACA/AMO SCA/AMO
1/13/06	1862.1	218.1	26.9	DRAIN THE OIL AND REMOVE REPLACE FILTER AND SAFETY FOUND REPLACE SCREEN 15-50 TEST RUN THE ENGINE FOR RETURN TO SERVICE  Compression Test 1 77/80 3 77/80 5 77/80 2 77/80 4 77/80 6 78/80	Mark Robin AP 365700932	
1/27/06	1890.0	246	27.9	DRAIN THE OIL AND REMOVE WITH A CHAMPION 48103-1 AND METAL FOUND REPLACE THE RUN THE ENGINE NO LEAKS WITH A OVERHAUL MAG IGNITION HARNESS RUN AND IS APPROVED FOR	Mark Robin AP 365700932	
3/16/06	1910.8	266.8	20.8	DRAIN THE OIL AND REMOVE THE FILTER WITH A CHAMPION INSPECT NO METAL FOUND 12 QT AEROSHELL 15-50 TEST RUN RETURN TO SERVICE Compression 1 76/80 3 78/80 5 78/80 2 76/80 4 76/80 6 78/80	Mark Robin AP 365700932	
4/18/06	1935.8	291.8	25	DRAIN THE OIL AND REMOVED THE SAFETY REMOVED THE SCREEN AND REFILL ENGINE WITH 12 QT AERO FOUND THIS ENGINE IS APPROVED Compression 1 78/80 3 78/80 5 78/80 2 76/80 4 76/80 6 76/80	Mark Robin AP 365700932	
				THE FILTER AND CUT NO METAL FOUND REPLACE THE FILTER SAFETY REMOVE THE SCREEN AND INSPECT NO SCREEN AND SAFETY ADD 12 QT AEROSHELL 15-50 FOUND ALSO REMOVED AND REPLACED THE MAGNETO PT# 10-682910-13 SN# 8240006 AND THE PT# A40-10BS THIS ENGINE HAS BEN TEST RETURN TO SERVICE		
				THE FILTER AND CUT NO METAL FOUND REPLACE 48103-1 AND SAFETY REMOVE THE SCREEN AND REPLACE THE SCREEN AND SAFETY REFILL WITH NO LEAKS FOUND THIS ENGINE IS APPROVED FOR		
				FILTER AND CUT NO METAL FOUND REPLACE FILTER AND INSPECT NO METAL FOUND REPLACE SCREEN AND SAFETY SHELL 15-50 AND TEST RUN THE ENGINE NO LEAKS FOR RETURN TO SERVICE		

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Hobbs Time since new	Time since overhaul	Hours/ on Total cycles THE OIL	Details of task	Signature	AME ACA/AMO SCA/AMO
7/8/05	1735.6	91.1	22.5	Removed BAD STARTER AND KELLY AEROSPACE PART# MNB4016 TO SERVICE	Mark Robins	
				Replaced it with an overhauled starter from SN# E121318 THE ENGINE IS APPROVED FOR RETURN A.P. 365700932		
8/10/05	1760.8	116.8	25.2	DRAIN THE OIL AND REMOVE THE WITH A NEW CHAMPION 48103 AND REPLACE SCREEN AND SAFETY REFILL THIS ENGINE IS FOUND TO BE RETURN TO SERVICE	Mark Robins	
				FILTER AND CUT NO METAL FOUND REPLACE THE FILTER WITH SAFETY REMOVE THE SCREEN AND INSPECT NO METAL FOUND WITH 12QT AEROSHELL 15-50 TEST RUN NO LEAKS FOUND IN AN AIRWORTHY CONDITION AND IS APPROVED FOR	A.P. 365700932	
10/10/05	1786.6	142.6	25.8	DRAIN THE OIL AND REMOVE THE A NEW CHAMPION 48103-1 AND SAFETY REPLACE THE SCREEN AND SAFETY FOUND THIS ENGINE IS APPROVED	Mark Robins	
				FILTER AND CUT NO METAL FOUND REPLACE THE FILTER WITH REMOVE THE SCREEN AND INSPECT NO METAL FOUND REFILL WITH 12QT AEROSHELL 15-50 TEST RUN NO LEAKS FOR RETURN TO SERVICE	A.P. 365700932	
11/7/05	1811.5	167.5	24.9	DRAIN THE OIL AND REMOVE THE WITH A NEW CHAMPION 48103-1 FOUND REPLACE THE SCREEN AND TEST RUN ENGINE NO LEAKS FOUND	Mark Robins	
				FILTER AND CUT NO METAL FOUND REPLACE THE FILTER REMOVE THE SCREEN AND INSPECT NO METAL SAFETY REFILL WITH 12QT AEROSHELL 15-50 THIS ENGINE IS APPROVED FOR RETURN TO SERVICE	A.P. 365700932	
	1835.2	191.2	23.7			

Date 12/2/05 100 hour inspection  
LEFT engine model# T.I.O. 540 J2BD  
hobbs time 1835.2 TTOH 191.2  
Drain the oil remove the filter and cut no  
metal found remove the screen and inspect  
no metal found replace the filter and screen  
and safety refill with 12 QT aero shell 15/50  
compression test #1.76/80 # 3. 78/80  
#5.78/80 #2. 76/80 #4. 76/80 #6. 74/80  
Clean gap and test the spark plugs replace  
the air filter with part# B.A-7 replace the  
hydraulic filter with part# AN6335-1A set  
timing to 20 inspect the exhaust the engine  
baffling engine mounts the turbo charging  
system inspect the hoses for leak and  
chafing inspect the throttle and mixture  
cables and the alternate air door for proper  
operation this engine has ben inspected and  
found to be in an airworthy condition and is  
approved for return to service  
A.P. 365700932 Mark Robins  
Mark Robins

N371MC PA31-350 32-1037 hobbs 1835.2  
left eng. TIO 540 J2BD sn L-7619-61A

Date 12/12/05 T.S.O.H. 191.2

AD 2003-14-03 cw by inspection.

I certify that this engine was inspected in accordance with  
an annual inspection and was determined to be in an  
airworthy condition.

*Richard Lake*  
Richard Lake  
A&P 2071154 I.A.

Section 1: Record of engine maintenance and elementary work

Date	Hobbs Time since new	Time since overhaul	Hours on Total cycles the oil	Details of task	Signature	AME ACA/AMO SCA/AMO
4-14/05	1644.0	0	0	INSTALL THIS ENGINE ON THE LEFT side of 371 ME TIO540 J2BD SNL7619-61A ENGINE HAD LOW FUEL FLOW Removed Injector SIN 0003701 AND INSTALD AND OVERHAULD INJECTOR SIN 77286 INSTALD AN INSPECTED OIL COOLER PT# 8535311 SN# IO 37479-9 INSTALD A NEW EGT Probe PT# 55841-02PM INSTALD NEW SPINNER BACKPLATE P.T# CA43933-08 SN# 1727 INSTALD A OVERHAUL EXHAUST TAILPIPE PT# 40310 SIN# AWS 82796 INSTALD OVERHAUL DRY AIRPUMP PT# 44100-7 SIN 10255 INSTALD NEW HOSE FROM THE AIRALL HOSE SHOP ORDER # 4551703 INSTALD A NEW ENGINE DRAIN PT# 41287-000 NEW 48103-1 CHAMPION OIL FILTER AND 12 QT 15-50 TEST RUN ENGINE NO LEAKS FOUND THIS ENGINE IS APPROVED FOR RETURN TO SERVICE AND REPLACED THE LOUD MOUNTS	Mark Rehm A.P. 365700932	
4/25/05	1660	16	16	DRAIN OIL REMOVE THE FILTER AND INSPECT NO METAL FOUND THE INTAKE SYSTEM NO LEAKS WITH AEROSHELL 15-50 INSTALD SAFTY THE SCREEN TEST RUN RETURN TO SERVICE	Mark Rehm A.P. 365700932	
5/4/05	1684.5	40.5	24.5	DRAIN THE OIL AND REMOVE THE FILTER AND CUT NO METAL FOUND AND INSPECT NO METAL FOUND REMOVE THE SCREEN AND INSTALD AND SAFTY ADD 12 QT AEROSHELL 15-50 TEST RUN NO LEAKS FOUND WAS SET AT 43 I TURNED IT DOWN TO 42 ON A STANDARD DAY THIS ENGINE IS APPROVED FOR RETURN TO SERVICE	Mark Rehm A.P. 365700932	
5/23/05	1713.1	69.1	28.6	DRAIN THE OIL REMOVE THE FILTER AND CUT NO METAL FOUND AND INSPECT NO METAL FOUND REMOVE THE SCREEN AND INSTALD AND SAFTY ADD 12 QT AEROSHELL 15-50 TEST RUN NO LEAKS FOUND THIS ENGINE IS APPROVED FOR RETURN TO SERVICE	Mark Rehm A.P. 365700932	
7/5/05	1735.6	91.6	22.15	DRAIN THE OIL AND REMOVE THE FILTER AND CUT NO METAL FOUND AND INSPECT NO METAL FOUND REMOVE THE SCREEN AND INSTALD AND SAFTY ADD 12 QT AEROSHELL 15-50 TEST RUN NO LEAKS FOUND THIS ENGINE IS APPROVED FOR RETURN TO SERVICE	Mark Rehm A.P. 365700932	
				Compression Test AT Hobbs 1735.6		
				1. 78/80 3. 78/80 5. 76/80 2. 72/80 4. 72/80 6. 72/80		





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Toll Free 1-800-561-5544

# WARRANTY

## For Continental & Lycoming Engines

Engine Model: T10-540-J2BD  
Date Issued: March 23, 2005

Serial No.: L-7619-61A  
Customer: Midwest International

AERO RECIP (CANADA) LTD. warrants the above engine to be free from defects in material and workmanship under normal use for one (1) year commencing on the earlier of the date of installation or 14 days from date of shipment, as per the terms and conditions set forth on the reverse side hereof.

AERO RECIP (CANADA) LTD. will bear the cost for labour in connection with the repair or replacement on the terms and conditions set forth on the reverse side hereof.

Signature  
AERO RECIP (CANADA) LTD.

see reverse for complete warranty policy

Volume #: 1

Opened on: 4/14/05

### ENGINE DETAILS

1. Manufacturer LYCOMING
2. Type/Model/Series T10 540 J2BD
3. Serial Number L-7619-61A