

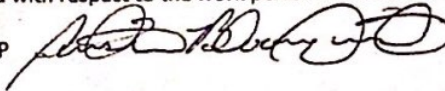


2634 Airport Drive # 106 North Las Vegas, NV. 89032 Phone: 702.636.6555 March 7, 2018
Reg: N421SM S/N: 421C1213 Hobbs: 0451.8 WO: VGT-3474

Performed engine ground run and confirmed L/H alternator offline and will not come on line. Removed pilot seat to facilitate other maintenance, Removed L/H and R/H complete engine cowlings to facilitate other maintenance. Performed trouble shooting and found L/H Alternator field fuse to be bad. Installed spare 3amp 250V fuse from Alternator field spare fuse location IAW Cessna 421C Golden Eagle Maintenance Manual Section 13-23. Performed engine ground run and L/H alternator now online but not sharing the load equally with R/H alternator. Performed troubleshooting of paralleling function and found F1 brush of R/H alternator to be disconnected from contact point. Replaced F1 brush with serviceable brush IAW Hartzell Engine Tech Maintenance Manual 24-30-01 Section 6.7. Performed engine ground run. Ops check good. Reinstalled Pilot seat IAW Cessna 421C Golden Eagle Maintenance Manual Section 12-10. Ops check good. Reinstalled both L/H and R/H complete engine cowlings IAW Cessna 421C Golden Eagle Maintenance Manual Section 7-00. Satisfactory upon completion.

I certify that the maintenance described above was accomplished in accordance with the Manufacturer's Maintenance Program, requirements of 14 CFR 43, and with respect to the work performed is airworthy and approved for return to service.

Justin Bloomquist 3028896 A&P

 3028896 A+P

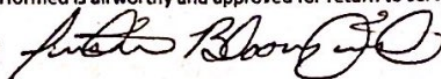


2634 Airport Drive # 106 North Las Vegas, NV. 89032 Phone: 702.636.6555 March 26, 2018
Reg: N421SM S/N: 421C1213 Hobbs: 0460.9 WO: VGT-3497

Removed and Replaced L/H and R/H Alternator brush holder assemblies P/N ALU-3045BS IAW Hartzell Alternator Manual 24-30-01. Performed engine ground run, Ops check good. Satisfactory upon completion. Troubleshoot and found heat sink light dimmer P/N 9910239-1 to be bad. Customer stop work at this time. Removed and replaced L/H engine dry air vacuum pump P/N off AA441CC S/N off N/A, P/N on AA441CC S/N on ODIZ01, IAW Cessna 421C Golden Eagle Maintenance Manual Section 10-20 and Tempest Dry Air Pump Installation Manual. Performed engine ground run, ops check good. Satisfactory upon completion. Removed and Replaced R/H engine oil filter P/N CH48109-1 IAW Cessna 421C Golden Eagle Maintenance Manual Section 7-31. Cut open filter and inspected, no anomalies or particulates found at this time. Performed engine ground run, leak check good. Satisfactory upon completion.

I certify that the maintenance described above was accomplished in accordance with the Manufacturer's Maintenance Program, requirements of 14 CFR 43, and with respect to the work performed is airworthy and approved for return to service.

Justin Bloomquist 3028896 A&P

 3028896 A+P



2634 Airport Drive Ste. # 106 North Las Vegas, NV. 89032 Phone: 702.636.6555 May 2, 2018
Reg: N421SM S/N: 421C1213 Flight Hobbs: 0494.6 AFTT: 4489.9 WO: VGT-3636
Left Engine: GTSIO-520-L SN: 2924470-P TSMOH: 0690.8

Drained Oil, Sampled Oil For Testing, Removed Filter, Cut Open Filter And Inspected, Found No Anomalies, Installed New Filter (P/N CH48109-1) Added 11 Qtrs... Of AeroShell 100W Plus, IAW Cessna C421C M.M. And Continental / Ram GTSIO-520 SER M.M. Performed Engine Runs And Leak Check Satisfactory At Completion.

I certify that the maintenance described above was accomplished in accordance with the Manufacturer's Maintenance Program, requirements of 14 CFR 43, and with respect to the work performed is airworthy and approved for return to service.

ValGene Sutherland 3641617 A&P *Val Sutherland 3641617 A&P*



2634 Airport Drive Ste. # 106 North Las Vegas, NV. 89032 Phone: 702.636.6555 July 10, 2018
Reg: N421SM S/N: 421C1213 Flight Hobbs: 0544.7 AFTT: 4540.7 WO: VGT-3762

Inspected Engine For Oil Leak, Found Oil Coming From Starter, Removed Starter and Removed And Replace O-Ring (p/n AS3578-038), Reinstalled Starter IAW Continental GTSIO-520-N M.M. Section 11-6. Leak Check Satisfactory. Removed And Replaced Right Hand (MAP) Manifold Absolute Pressure Transducer At Lower Engine Firewall Rear Nacelle. Removed Part #T1EU70A Ser.#3548, Replaced Part#T1EU70A Ser.#A6737, IAW AuRACLE CRM 2120 6-Cyl Installation Manual Rev D. Performed Engine Ground Run, Op's Checked Good.

I certify that the maintenance described above was accomplished in accordance with the Manufacturer's Maintenance Program, requirements of 14 CFR 43, and with respect to the work performed is airworthy and approved for return to service.

ValGene Sutherland 3641617 A&P *Val Sutherland 3641617 A&P*



2634 Airport Drive Ste. # 106 North Las Vegas, NV. 89032 Phone: 702.636.6555 September 3, 2018

Reg: N421SM S/N: 421C1213 Flight Hobbs: 0560.3 AFTT: 4555.6 WO: VGT-3785

Left Engine: GTSIO-520-L SN: 2924470-P TSMOH: 0756.5

Drained Oil, Sampled Oil For Testing, Removed Filter, Cut Open Filter And Inspected, Found No Anomalies, Installed New Filter (P/N CH48109-1) Added 13 Qtrs... Of AeroShell 100W Plus, IAW Cessna C421C M.M. And Continental / Ram GTSIO-520 SER M.M. Performed Engine Runs And Leak Check Satisfactory At Completion.

I certify that the maintenance described above was accomplished in accordance with the Manufacturer's Maintenance Program, requirements of 14 CFR 43, and with respect to the work performed is airworthy and approved for return to service.

Phillip Swibies 2584811 A&P

A handwritten signature in black ink, appearing to read "Phillip Swibies", written over a horizontal line.



2634 Airport Drive Ste. # 106 North Las Vegas, NV. 89032 Phone: 702.636.6555 September 3, 2018
Reg: N421SM S/N: 421C1213 Flight Hobbs: 0562.8 AFTT: 4558.1 WO: VGT-3815
Left Engine: GTSIO-520-L SN: 2924470-P TSMOH: 0759.0

Removed and Replaced All Engines Pushrod Housings Packing and Washers, P/N's 534610, 630286, and 534609. Installed Valve Rocker Arms with New Safety Tabs, P/N 501868. Replaced All Cylinder Rocker Cover Gaskets, P/N RG-632459. Ops' and Leak Check Good at this Time. Refs. TCM Overhaul Manual, Chapter 72-50.

I certify that the maintenance described above was accomplished in accordance with the Manufacturer's Maintenance Program, requirements of 14 CFR 43, and with respect to the work performed is airworthy and approved for return to service.

Phillip Swibies 2584811 A&P

A handwritten signature in black ink, appearing to read "SWIBIES", written over a horizontal line. The signature is somewhat stylized and includes a large loop at the end.



2634 Airport Drive Ste. # 106 North Las Vegas, NV. 89032 Phone: 702.636.6555 October 3, 2018

Reg: N421SM S/N: 421C1213 Flight Hobbs: 0582.8 AFTT: 4578.1 WO: VGT-3878

Removed And Replaced EGT Probe #3, Removed (P/N 86255-2) Installed (P/N 86255), IAW Cessna 421C M.M., Chapter 7-61, Operation Check Satisfactory Upon Completion. Removed And Replaced Left Engine Manifold Pressure Transducer, Parts Off # T1EU70A Serial # A3549, Parts On # T1EU70A, Serial # A6270, Performed Engine Ground Run With Op's Check Good, Removed And Replaced Oil Pressure Transducer, Removed (P/N T1EU150(G)(S/N A3514), Installed (P/N T1EU150(G)(S/N A7687), IAW AuRACLE CRM 2120 Rev D Page 71, Operational Check Satisfactory.

I certify that the maintenance described above was accomplished in accordance with the Manufacturer's Maintenance Program, requirements of 14 CFR 43, and with respect to the work performed is airworthy and approved for return to service.

Brandon Wood 4127991 A&P *Bluh* 4127991 A&P



2634 Airport Drive Ste. # 106 North Las Vegas, NV. 89032 Phone: 702.636.6555 October 26, 2018
Reg: N421SM S/N: 421C1213 Flight Hobbs: 0596.2 AFTT: 4591.5 WO: VGT-3877
Left Engine: GTSIO-520-L SN:2924470-P TSMOH: 0792.4

Removed, Cleaned And Inspected Left Engine Air/Oil Separator, During Inspection Found Oil Breather Rubber Tube From Crank Case Breather Tube To Air/Oil Separator Was Cracked With Large Opening. Removed And Replaced Rubber Tube At Air/Oil Separator And Reinstalled Air/Oil Separator In Accordance With Cessna 421C M/M Sec 7-30, Performed Ground Engine Run And Leak Check Satisfactory Upon Completion. During Troubleshooting Found Oil Leak From Lower Left Side Of Oil Cooler At Mating Surface Through Gasket, Removed Oil Cooler, Removed And Replaced Gasket, (P/N 652065), Reinstalled Oil Cooler IAW Continental GTSIO-520 Overhaul Manual Chapter A Section 11 And Chapter A Section 4 Page 11. Operations Check Satisfactory.

I certify that the maintenance described above was accomplished in accordance with the Manufacturer's Maintenance Program, requirements of 14 CFR 43, and with respect to the work performed is airworthy and approved for return to service.

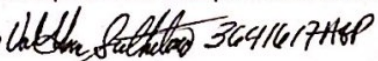
Brandon Wood 4127991 A&P *Blwd 4127991 A&P*



2634 Airport Drive Ste. # 106 North Las Vegas, NV. 89032 Phone: 702.636.6555 November 22, 2018
Reg: N421SM S/N: 421C1213 Flight Hobbs: 0608.4 AFTT: 4603.7 WO: VGT-4005
Left Engine: GTSIO-520-L SN: 2924470-P TSMOH: 0804.6

Drained Oil, Sampled Oil For Testing, Removed Filter, Cut Open Filter And Inspected, Found No Anomalies, Installed New Filter (P/N CH48109-1) Added 12 Qtrs... Of Aeroshell 100W Plus, IAW Cessna C421C M.M. And Continental / Ram GTSIO-520 SER M.M. Performed 100 Hour Engine Inspection, Installed 12 New Spark Plugs P/N Champion RHB32E, Performed Compression Test #1 76/80 #2 78/80 #3 74/80 #4 72/80 #5 72/80 #6 76/80, Borescope Inspection Performed No Anomalies Noted. Performed In Accordance With Cessna M/M 421C Section 2-20 Part 7, Performed Engine Runs And Leak Check Satisfactory At Completion.

I certify that the maintenance described above was accomplished in accordance with the Manufacturer's Maintenance Program, requirements of 14 CFR 43, and with respect to the work performed is airworthy and approved for return to service.

ValGene Sutherland 6341617 A&P  3641617A&P



2634 Airport Drive Ste. # 106 North Las Vegas, NV. 89032 Phone: 702.636.6555 December 6, 2018
Reg: N421SM S/N: 421C1213 Flight Hobbs: 0629.5 AFTT: 4609.0 WO: VGT-4046
Left Engine: GTSIO-520-L SN: 2924470-P TSMOH: 0809.9

Removed And Replaced Left Engine Alternator, Part Off P/N ALV-9610 S/N H-RO22606, Part On P/N ALV-9610 S/N H-R050084. In Accordance With Cessna 421C-M/M Section 13-22 Pg. 4-6 Performed Ground Run, Op's Check Good.

I certify that the maintenance described above was accomplished in accordance with the Manufacturer's Maintenance Program, requirements of 14 CFR 43, and with respect to the work performed is airworthy and approved for return to service.

ValGene Sutherland 6341617 A&P

Val Sutherland 3641617 A&P



2634 Airport Drive Ste. # 106 North Las Vegas, NV. 89032 Phone: 702.636.6555 January 28, 2019
Reg: N421SM S/N: 421C1213 Flight Hobbs: 0634.8 AFTT: 4614.3 WO: VGT-4070
Left Engine: GTSIO-520-L SN: 2924470-P TSMOH: 0815.2

This ACFT Powerplant Was Inspected IAW Continental GTSIO-520 Ser. M/M And Cessna 412C M/M Time Inspection Limits and was found to be Airworthy Condition. Removed And Replaced L/H Engine Fuel & Oil Lines In Accordance With Cessna M/M Sec 7-00. Satisfactory Upon Completion. Removed L/H Engine Operational Hoses To Facilitate Other Maintenance. Lifted Engine From Aircraft To Facilitate Other Maintenance. Removed Engine Oil Pan And Old Gasket, Installed New Gasket And Re-secured Engine Oil Pan In Accordance With Continental/Ram GTSIO 520-SER. Lowered And Re-secured Engine In Accordance With Cessna M/M Sec. 7-00. Re-secured L/H Engine Operational Hoses Refer To Squawk 2.1. Satisfactory Upon Completion. Removed And Replaced Both L/H Engine Push Rod Tubes On Number 4 Cylinder. Installed New Push Rod Tubes In Accordance With Continental/Ram GTSIO-520 SER. M/M Chapter 10-6. Satisfactory Upon Completion. Ground Op's Check Good. Removed, Cleaned, Inspected, Reinstalled L/H Engine Fuel Injectors In Accordance With Continental/Ram GTSIO-520 SER. M/M Chapter 10-2. Satisfactory Upon Completion. Ground Op's Check Good. Removed And Replaced Left Engine Magnetos, Removed Left Magneto P/N BL349220-4, S/N F13KA243R, Installed Left Magneto P/N BL-349220-4, S/N F18FA039R. Removed Right Magneto P/N BL349260-7, S/N F13KA259R, Installed Right Magneto P/N BL-349260-7, S/N F18EA131R. Timed Magneto's To Engine In Accordance With Continental GTSIO-520 SER. M/M And Cessna 421C M/M Section 7, Performed Engine Ground Run, Satisfactory Upon Completion. Complied With A.D. 07-05-15 And Continental Mandatory Service Bulletin MSB94-4H, Performed Inspection Detailed In Part 2 of MSB94-4H, The Following Results Were Found Durlng Backlash Inspection (0°=.02") (90°=.01") (180°=.02") (270°=.02") Next Backlash Inspection Due At Hobbs Meter 734.8 And 1034.8, Results Are Within Limits For Continued Airworthiness.

I certify that the maintenance described above was accomplished in accordance with the Manufacturer's Maintenance Program, requirements of 14 CFR 43, and with respect to the work performed is airworthy and approved for return to service.

ValGene Sutherland 3641617 A&P *Val Sutherland 3641617 A&P*



2634 Airport Drive Ste. # 106 North Las Vegas, NV. 89032 Phone: 702.636.6555 May 2, 2019
Reg: N421SM S/N: 421C1213 Flight Hobbs: 0689.5 AFTT: 4669.0 WO: VGT-4215
Left Engine: GTSIO-520-N SN: 292470-P TSMOH: 0869.9

Drained Oil, Removed Filter, Cut Open Filter And Inspected, Found Heavy Carbon Particulate Build Up, Installed New Filter (P/N CH48109-1) Added 12 Qts. Of AeroShell 100W, IAW Cessna C421C M.M. And Continental / Ram GTSIO-520 SER M.M. Preformed Inspection Of Exhaust As Prescribed By AD2000-01-16 Found Discrepancies, Found Multiple Pin Hole Leaks In Exhaust Manifold On Right Hand Side Of The Left Engine (Cylinders 1, 3, And 5). Removed Old PN: 8294-4 SN: Unreadable. Installed Customer Supplied PN: 8294-4 SN: 15N80-0003 In Accordance With Cessna M/M 7-60. Also Identified Bad Cylinder Number 5 EGT Probe, Removed PN: 86225 Installed PN: 86225 In Accordance With Alcor Inc. FAA-PMA/STC SA 522 SW. All Ground Check Good And Satisfactory At Completion. Performed Inspection Of Left Engine For Excessive Crankcase Pressures, In Accordance With TCM Service Bulletin M89-9, During Test It Was Found To Be With In The Lower Limits Per Service Bulletin Reference. While Performing A "Save The Turbo" Check, Found The Liquid Cleaner That Is Used Was Leaking Into The Compressor Side Of The Turbo Indicating A Leaking Turbo. Found Evidence Of The Wastegate Being Damaged By Turbo Leak, Wastegate Inspected By Borescope, Identified Leaking Turbo Compressor Seal During Troubleshooting Found That The Carbon Seal Had Deteriorated And Migrated To The Oil Filter. Removed Left Engine Turbo P/N: 641672-3 S/N: DAN00119, Replaced With Refurbished Turbo P/N: 641672-3, S/N: MHL00028 In Accordance With Cessna M/M 7-41. Removed Air/Oil Separator Can To Gain Access To The Turbo And Completely Cleaned Can While It Was Removed. Reinstalled Air/Oil Separator Can. Work Completed In Accordance With Cessna 421C M/M 7-41. Removed Old Wastegate PN: C165006-0113 SN: B0030378 Installed Refurbished Wastegate PN: C165006-0113 SN: IHN0013 In Accordance With Cessna M/M 7-60. Ground Checks Good. Performed Engine Runs And Leak Check Satisfactory At Completion.

I certify that the maintenance described above was accomplished in accordance with the Manufacturer's Maintenance Program, requirements of 14 CFR 43, and with respect to the work performed is airworthy and approved for return to service.

Val Sutherland 3641617 A&P Val Sutherland 3641617 A&P ————— END —————



2634 Airport Drive Ste. # 106 North Las Vegas, NV. 89032 Phone: 702.636.6555 July 19, 2019
Reg: N421SM S/N: 421C1213 Flight Hobbs: 0737.4 AFTT: 4716.9 WO: VGT-4346
Left Engine: GTSIO-520-N SN: 292470-P TSMOH: 0917.8

Drained Oil, Sampled Oil For Testing, Removed Filter, Cut Open Filter And Inspected, Found No Anomalies, Installed New Filter (P/N CH48109-1) Added 12 Qts. Of AeroShell 100W, IAW Cessna C421C M.M. And Continental / Ram GTSIO-520 SER M.M. Performed Engine Runs And Leak Check Satisfactory At Completion. Performed Inspection Of Exhaust As Prescribed By AD2000-01-16 Found No Discrepancies. Ground Check Good. Removed And Replaced Oil line from fuel manifold to crankcase, P/N 640726 In Accordance With Continental / Ram GTSIO-520 SER M.M Op's Check Satisfactory Upon Completion.

I certify that the maintenance described above was accomplished in accordance with the Manufacturer's Maintenance Program, requirements of 14 CFR 43, and with respect to the work performed is airworthy and approved for return to service.

Val Sutherland 3641617 A&P *Val Sutherland 3641617 A&P*