

N4FM #3



The Standard

AIRCRAFT LOG

ASA-SA-2

2DC8A 447C4 FFBFF

ACK Technologies Inc

Model E-04 ELT

The Standard Aircraft Log
SA-2

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ASA-SA-2

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Aircraft Record General Information

Manufacturer Cessna Model C172E
Serial 17251817 Registration Number N4FM
Date of Manufacture July 1964

Engine(s) currently installed:

Manufacturer Continental Model O-300 D Serial ~~28930-0-40~~
Manufacturer _____ Model _____ Serial 13425-0-7-A

Propeller(s) currently installed:

Manufacturer McCawley Model 1C172/EM 7652
HUB Model _____ Serial E-598 Serial _____
Blade Model _____ Serial _____ Serial _____
Blade Model _____ Serial _____ Serial _____

[illegible]

This log started
this date 7/18/2010

IAJ51J85J

YEAR 20 <u>20</u> DATE	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.)
MAY 19				REGISTRATION CHANGED FROM N4FM to N21LS ON THIS DATE. Peter R. Hulson OWNER 3223889

SLOAT AVIATION SERVICES LLC

TTAF: 4454.22

Make: 172E

Reg: 21LS

JPI Tach: 0

ACFT S/N: 172S1817

Airframe Works completed: Performed Annual inspection per FAR 43.13 "D" after restoration of aircraft and as part of installation of Cont. IO-360G S/N 224802-R and propeller McCauley 2A34C203/90 DCA-14 S/N 740115 per STC SA007285E. Both fuel tanks were removed and replaced with serviceable units provided by Dallas Air Salvage (see tags for details). Almost all nut plates had to be drilled and replaced for tank and skin access. Replaced all hardware with correct parts per manual. All replacements done with like models and proper sized rivets and materials per AC 43.13 standard practices and the Cessna MM. Balanced all control surfaces with Cessna WRT Cessna NL83-8 & Maintenance Manual. Weight added to elevator to be within limitations. Complied with Service Letter SE71-27, *Aileron Balance Weight Inspection* by removing original rivets, drilling holes to 5/32, and installing MS20470A5-12. Complied with Service Bulletin SEB 94-8, Horizontal Stabilizer Forward Spar Inspection/Modification. Replaced corroded lower rudder horn with serviceable unit and reattached cables to proper tensions. Reinstalled wings with new hardware and torqued per MM. Removed and cleaned aileron bellcranks and reinstalled with new hardware after cleaning corrosion from around wing areas. Reinstalled cables and tensioned as required; safety wired turnbuckles as necessary and verified all throws and stops of ailerons, flaps, rudder and elevator. Replaced all flap hardware with new McFarlane PMA in FL-KT-2U kit. Repaired top skin corrosion with patch per Maintenance Manual. Lubricated all cables, pullies, rod-ends, hinge points, and grease fittings as required. Replaced all tires and tubes with new and replaced any necessary bearings and races before packing with Aeroshell 5. Replaced left brake caliper with serviceable unit. Previous installation of Cleveland brakes performed per Cessna SL65-41 April 16, 1966. Rebuilt both calipers and master cylinders with new o-ring kits and bled system as necessary. Rebuilt nose strut with JMCNS1 Nose Strut Seal Kit. Replaced landing gear U Bolts with new PMA McFarlane units MC0541153. Replaced end caps for rudder, vertical stab, elevator, and horizontal stab with new PMA fiberglass and plastic parts. Installed heated pitot and stall warning per Cessna Accessory Kit AK172-72D. Installed new Whelen OR36 beacon, Orion 660 wingtip and S500 taillights with new wiring. Installed new RAMI AV-532 NAV antenna w/included RG58 cable & 2 new RAMI AV-10 COMM antennas with new RG400 cable. Installed new XPDR antenna and Bendix KA86 ADS-B In antenna with new RG400 cable. Repaired cabin light fixture, removed faulty rheostats, and installed new toggle switches to comply with AD 93-24-

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15. Installed new ACK E-04 ELT SN-41955 with Battery exp date Nov. 2027, antenna, and cockpit switch per latest updated install instructions. Provided all necessary information to owner for required registration of new ELT. All batteries installed new for speaker, remote and ELT. Installed new Gill main ships battery 7025-24 SN-G03230983. Replaced inop map light with OPLITE OP6-W/R12 per FAA NORSEE Approval Letter June 29, 2022. Repaired firewall referring to Section 2A-14-15, Supplemental Inspection Document 53-12-03, for inspection procedure. Installed stainless steel panel with MS20615M rivets per Cessna Maintenance Manual and Cessna support email January 17, 2023. Installed heated pitot tube and lift detector per Cessna Accessory Kit AK172-72D November 5, 1975 and Cessna support email December 14, 2022. Replaced fuel vent tube with new PMA McFarlane unit MC0523559-8K. Overhauled fuel selector valve with McFarlane kit and performed leak check with no defects noted. Replaced all orings and seals for fuel bowl and opener valve. No further leaks found during sump operation. Installed new CIES sending units with new and new gaskets included per SA025115E. Replaced fuel caps and fuel drains with new units. Installed new McFarlane PMA throttle/propeller/mixture cables. Installed new McFarlane fuel pump 4140-00-17CJ-PINK and new Cessna switch S-1846-1-2. Wired fuel boost pump circuit per STC SA007285E and Cessna SEB96-41R, October 18, 1996. Installed the following new AIRTEX items: Firewall pad, headliner, door panels, insulation/soundproofing. Installed LakeVue Aeronautics STC SA933NW per install instructions and AC 43.13 "D" standard practices to shim and align seat brackets/rails. Repaired door inner panels with Kydex meeting FAR25.853 (a) App. F, Part 1 (A) 1 (i) or (ii). New Brackett air filter installed per STC-SA71GL Instruction Sheet Part No. 111-8 Date Rev: 08-19-04, List No. 1. Relocated battery box per SA4802NM using new 2/0 wire from battery to starter, connectors, and new battery box & mount. Installed new ignition switch ACS A-510-2K. Overhauled ALT, A/S & VSI at Aircraft Quality Instruments W/D 80351. Installed Ameri-King AK-950-F3 cooling fan. Replaced all pitot/static tubing, pitot sump, and aircraft wiring. Installed new PlanePower voltage regulator per HET PMA Supp 64. Installed L and R Door Steward per SA01120SE. Installed rear folding seats per SA933NW. Installed BAS Shoulder Harnesses per SA2067NM. Repaired interior plastic panels and recovered with Ultraleather meeting FAR25.853 (a) App. F, Part 1 (A) 1 (i) or (ii). All AD's complied with at this time see separate AD compliance sheet for details. Sent 337 forms to FAA, provided owner and aircraft record copies as required.

Installed the following avionics and removed vacuum system:

YEA
20
DAT

Midcontinent electric turn & bank

DHM-2N quartz hour meter

JPI EDM-930 engine monitor

uAvionix AV-20

PS Engineering PMA-8000G audio panel

Garmin GSB-15 USB

GNC 355 COM/GPS

G5 Attitude and HSI

GTX 330 XPDR

Nulite instrument lights x4

King KX-155 NAV/COM - insp. by Bevan

KI-209 indicator - insp. by Bevan

MaxDim 9100-001-A Dimmer

Garmin GDL 50

Ameri-King AK-950-F3 Cooling Fan

All installations done with reference to specific factory or manufacturer's installation instructions, AC 43-13.1B, Cessna Maintenance Manual.

The following STCs were installed:

Garmin G5	SA01818WI-A	Garmin GNC 355	SA02636SE
Garmin GTX 330	SA01714WI	JPI EDM-930	SA01435SE
TLGW Engine Mod	SA00728SE	Battery Box	SA4802NM
Airwplf Remote Filter	SA00079NY	CIES Fuel Senders	SA02511SE
Brackett Air Filter	STC-SA71GL	Door Steward	SA01120SE
Maxdim Inst. Light Dimmer	SA01800SE	Folding Seats LakeVue Aeronautics	SA933NW
BAS Shoulder Harness	SA2067NM	Ameri-King Fan	SA00279LA

I certify this aircraft has been repaired/Inspected I/A/W Annual inspection and the current regulations of the FAA and is airworthy at this time.

Joseph Sloat

AP/IA #3629553

Date: 12-1-24

Iterations

Number of
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CLOSED Book				
Last Entry Repeated in new log book				