

AIRCRAFT S/N:
62. C090

AIRCRAFT TECHNICAL RECORD

N157J

REGISTRATION

AIRCRAFT TECHNICAL RECORD

Section 1. AIRFRAME LOG

AIRCRAFT

- | | |
|---|----------|
| 1. Nationality and Registration: | N157J |
| 2. Manufacturer's designation: | DA 62 |
| 3. Manufacturer's Serial Number: | 62.C090 |
| 4. Type Approval or Specification Number: | A00012NY |
| 5. Date of Manufacture: | 2024 |
| 6. Aircraft Inspections cycle: | |



Section 1: Airframe Log



DIAMOND AIRCRAFT INDUSTRIES INC.
D.O.T. APPROVED MANUFACTURER #161-93

Registration:

AC Serial Number: N157J
LH Engine Serial Number: 62.C090
RH Engine Serial Number: E4P-C-06484
LH Prop Serial Number: E4P-C-06483
RH Prop Serial Number: 241109
Airframe Total Time: 241110
4.0 HRS

- Total Time Airframe Brought forward from Production Test Flight Journey Log (DAI - Form Q-224): 4.0 HRS
- Compass Swing Performed:

o Date: NOVEMBER 26 2024
o Next Due: NOVEMBER 2025

FOR	N	30	60	E	120	150
STEER	358	029	060	088	120	150
FOR	S	210	240	W	300	330
STEER	180	210	239	268	298	330

- Static Pressure system and Primary Altimeter (G1000) have been inspected and tested in accordance with CAR Standard 571, Appendix B and 14 CFR 91.411:
 - o Test Date: OCTOBER 7 2024
 - o Next Due: OCTOBER 2026
- Stand By Altimeter:
 - o Factory Test Date: MAY 16 2024
 - o Next Due: MAY 2026
- ATC Transponder & Altitude Reporting System(s) have been tested in accordance with CAR Standard 571, Appendix F and 14 CFR 91.217: & 91.413:
 - o Test Date: OCTOBER 08 2024
 - o Next Due: OCTOBER 2026
 - o Programmed Registration: N157J
 - o Hex Code: N/A (USA Registration)
- The ELT was tested and inspected in accordance with CAR Standard 571, Appendix G and 14 CFR 91.207(d):
 - o Manufacturers Inspection: APRIL 2024
 - o Installation Inspected: NOVEMBER 27 2024
 - o Battery due: DECEMBER 2030
 - o Next ELT inspection due: NOVEMBER 2025
 - o ELT Programmed:
 - REG: N157J
 - Hex ID: N/A
 - Country: 366 (USA)
 - 15 Hex ID: ADC6492674173A1
- Garmin G1000 NXi Installation:
 - o System: 3787.02
 - o Checklist File: N/A
 - o Basemap Land 5.21
 - o SafeTaxi Data: Expires 26-DEC-2024
 - o Terrain Data: 3.00
 - o Obstacle Data: Expires 26-DEC-2024
 - o Navigation Data: Expires 26-DEC-2024
 - o Apt Directory: Expires 26-DEC-2024
 - o FliteCharts Data: Expires 26-DEC-2024
 - o IFR/VFR charts: Date: 31-OCT-2024

DA
Q 8
Inspector

NOV 28 2024
Date

(Continued next page)

Diamond
AIRCRAFT
 DIAMOND AIRCRAFT INDUSTRIES INC.
 D.O.T. APPROVED MANUFACTURER #161-93

Registration: N157J
 AC Serial Number: 62.C090
 LH Engine Serial Number: E4P-C-06484
 RH Engine Serial Number: E4P-C-06483
 LH Prop Serial Number: 241109
 RH Prop Serial Number: 241110
 Airframe Total Time: 4.0 HRS

- Following limitations as per DA 62 AMM Chapter 4,5 (subject to change with revision):

Component	Hours	Years	Next Due:
ECU backup batteries LH/RH	-N/A-	1 yr. +/- 30 days	OCTOBER 2025
Bonding system and static discharging system.	1000 +/- 50 Hrs.	4 yrs. +/- 60 days	1000 Hrs. or OCTOBER 2028
Emergency battery package (if MAM 62-002 is NOT installed)	-N/A-	2 yrs. +/- 30 days	N/A; MAM62-002 Incorporated.

- The following STC's are incorporated:
 - FAA STC No. SA000181B (Beringer wheel and brake system)
- THIS AIRCRAFT WAS INSPECTED FOR CONFORMITY TO APPLICABLE COMPANY RELEASED DOCUMENTS (DRAWINGS, SPECIFICATIONS, CONCESSIONS).
- I HEREBY CERTIFY THAT THIS AIRCRAFT CONFORMS TO FAA TYPE CERTIFICATE A00012NY Rev. No. 2, AND IS IN A FIT AND SAFE STATE FOR FLIGHT.
- Bi-weekly AWD check carried out to current revision 2024-23 all applicable AD's complied with
- The work described above was carried out in accordance with the applicable Standard of Airworthiness.
- For the latest and most applicable maintenance requirements, please refer to the Diamond Aircraft Maintenance Manual (AMM).

 **DA Q 8**

Inspector

NOV 28 2024

date

(Intentionally left blank below this point)

U.S. Standard Airworthiness Certificate, issued:

(Date) **DEC 03 2024**, has been installed in the Aircraft, on behalf of FAA Farmingdale Certificate Management Section AIR-855, on:

(Date) **DEC 03 2024**

(Print) **R. Galton** (Signature) 



Section 1: Airframe Log

DATE / /	AIR TIME				LANDINGS / CYCLES		DETAILS OF TASK (INSPECTION, REPAIRS & REPLACEMENT)
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL	
	HRS	MIN	HOURS	MIN			
CARRIED FORWARD							



Aircraft Reg: N157J
Work Order: S0075127

Date: December 12, 2024

AMO 161-93

	Make	Model	SN	TSN:
Airframe	Diamond	DA 62	62 C090	40 Hrs
LH Engine	Austro	E4P-C	E4P-C-06484	40 Hrs
RH Engine	Austro	E4P-C	E4P-C-06483	40 Hrs
LH Prop	MT-Propeller	MTV-6-R-C-F/CF194-80	241109	40 Hrs
RH Prop	MT-Propeller	MTV-6-R-C-F/CF194-80	241110	40 Hrs

The following work was performed:

- LH/RH engine cowlings removed and reinstalled to facilitate cosmetic detailing.
- RH engine inboard upper cowl repainted:
 - Cowling oil door and camlocks removed and reinstalled to facilitate repaint.
- Aircraft temporary registration marks removed and replaced with new registration marks "N157J" (Black with burgundy shadow).

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

Signature: _____

ACA: _____



MAKE: Diamond
MODEL: DA62
S/N: 62.C090
REG. NO: 157J



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hangar 14
Fort Lauderdale, FL 33309

W/O #: 10911-12-2024
DATE: 02-18-2025
Airframe TT: 12.3
Tach: 12.3

Entries

(3) COMPLIED WITH DIAMOND G1000NXI MSB-62-003 REV.9 PHASE3 SOFTWARE UPDATE 006-B3787-05.
I/AW GARMIN G1000NXI LINE MM 190-02631-00. ENABLED G1000 OPTIONS ESP AND GWX75. GROUND
OP CHECK NORM NO FAULTS NOTED.

DATE: 02-18-2025

SIGNED: _____
DENNIS ALLARD
CRS 9PRR402B

WORK ORDER: 10911-12-2024
Printed by EBIS (EBISCloud.com)

NAME/
SIGNATURELICENCE:
AME or
AMO/ACA

AMO 161-93

Aircraft Reg: N157J
Work Order: S0075480

Date: August 19, 2025

	Make	Model	SN		
Airframe	Diamond	DA 62	62 C090	TSN:	28.4 Hrs.
LH Engine	Austro	E4P-C	E4P-C-06484	TSN:	28.4 Hrs.
RH Engine	Austro	E4P-C	E4P-C-06483	TSN:	28.4 Hrs.
LH Prop	MT-Propeller	MTV-6-R-C-F/CF194-80	241109	TSN:	28.4 Hrs.
RH Prop	MT-Propeller	MTV-6-R-C-F/CF194-80	241110	TSN:	28.4 Hrs.

The following work has been performed:

- G1000 databases updated as required.
- Fuel selector face plate shim adjusted for correct fitment. Fuel selector knobs tightened.
- Replaced LH main landing gear down and locked indicator bulb PN: T4.6 24-20.
- Flap actuator moving rod inboard connection tightened at connection sheet.
- LH engine Piston/Conrod replacement performed at this time. Reference Diamond Aircraft Industries Inc. AMO 161-93 Form One Tracking # RO-5016:
 - Piston replacement kit PN: E4A-72-300-KIT SN: 00600 installed:
 - Piston PN installed: E4A-72-300-000
 - Piston SN installed: #1 SN: ORZK, #2 SN: ORYZ, #3 SN: 0A20, #4 SN: ORWL
 - Piston/Conrod replacement as noted above constitutes terminating action for the following MSB's & FAA AD's:
 - Austro MSB-E4-039/4 IAW Sec. 2.0
 - FAA AD 2025-02-12 IAW Sec. (h)
 - Austro MSB-E4-043/2 IAW Sec. 1.6.2
- LH Engine, propeller, and propeller governor removed and reinstalled to facilitate Piston/Conrod replacement.
 - Engine oil replaced with new. Engine serviced with 7 L aeroshell diesel ultra 5W30 oil.
 - Coolant system serviced with 50/50 mix distilled water and Glysantin Protect Plus G48 coolant.
 - Gearbox serviced with Spirax S6 GXME 75W oil.
 - The following engine operational checks and inspections were performed following Piston/Conrod replacement and engine reinstallation:
 - CA-CR angle test, break-in-procedure, power evaluation, compression check, & leak check. Found serviceable.
 - Propeller dynamic balance carried out at this time. No weight added. Final dynamic balance reading: 0.111 IPS @ 2000 RPM.
 - Replaced turbocharger exhaust stud (lower inboard) PN: E4A-41-111-802.
 - Replaced turbo charger oil return line lower banjo bolt PN: E4A-55-000-801.
- RH engine Piston/Conrod replacement performed at this time. Reference Diamond Aircraft Industries Inc. AMO 161-93 Form One Tracking # RO-5017:
 - Piston replacement kit PN: E4A-72-300-KIT SN: 00604 installed:
 - Piston PN installed: E4A-72-300-000
 - Piston SN installed: #1 SN: ORSW, #2 SN: ORYR, #3 SN: OSSSL, #4 SN: OR1I
 - Piston/Conrod replacement as noted above constitutes terminating action for the following MSB's & FAA AD's:
 - Austro MSB-E4-039/4 IAW Sec. 2.0
 - FAA AD 2025-02-12 IAW Sec. (h)
 - Austro MSB-E4-043/2 IAW Sec. 1.6.2
- RH Engine and propeller removed and reinstalled to facilitate Piston/Conrod replacement.
 - Engine oil replaced with new. Engine serviced with 7 L aeroshell diesel ultra 5W30 oil.
 - Coolant system serviced with 50/50 mix distilled water and Glysantin Protect Plus G48 coolant.
 - Gearbox serviced with Spirax S6 GXME 75W oil.
 - The following engine operational checks and inspections were performed following Piston/Conrod replacement and engine reinstallation:
 - CA-CR angle test, break-in-procedure, power evaluation, compression check, & leak check. Found serviceable.
 - Propeller dynamic balance carried out at this time. No weight added. Final dynamic balance reading: 0.057 IPS @ 2000 RPM.

An Independent inspection has been carried out on the engine/flight controls effected by the work performed.

Signature:

ACA:

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

Signature:

ACA:

Section 1: Airframe Log

DATE / /	AIR TIME				LANDINGS / CYCLES	
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL
	HRS	MIN	HOURS	MIN		
CARRIED FORWARD						

DETAILS OF TASK
(INSPECTION, REPAIRS & REPLACEMENT)

MAKE: Diamond
MODEL: DA62
S/N: 62.C090
REG. NO: 157J



Premier Aircraft Service,
Inc.
CRS: # 9PRR402B
5540 NW 23rd Avenue Hangar 14
Fort Lauderdale, FL 33309

W/O #: 11206-09-2025
DATE: 09-16-2025
Airframe TT: 36.9
Tach: 36.9

Airframe Entries

- 2 REMOVED WINDSHIELD TKS PUMP P/N: WP209A S/N:CAVI 24010575 AND INSTALLED WITH NEW P/N:WP209A S/N: CAVI24071386. IAW DA62 MM CH 30-00-00 OPS AND LEAK CHECKED GOOD.

DATE: 09-16-2025

SIGNED:

Emmanuel Vicoso
CRS: # 9PRR402B

WORK ORDER: 11206-09-2025
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