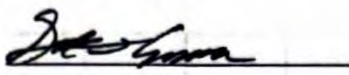


Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 8/25/2025 Tail #: N171PS
A/C Make/Model: Diamond DA40
A/C S/N: 40.701 Total Tach Time: 2842.0

Work Performed: Installed new Current Sensor Assembly P/N: D4D-2466-12-00-DA40. Performed operational check of aircrafts charging system and found no defects at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

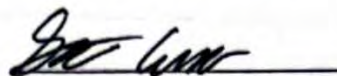
Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 8/27/202 Tail #: N171PS
A/C Make/Model: Diamond DA40
A/C S/N: 40.701 Total Tach Time: 2848.9

Work Performed: Removed fuel pressor sensor, cleaned static ports and electrical contacts. Flushed fuel the lines. Reinstalled fuel pressor sensor. Removed blown flap up indicator bulb and installed a new bulb.

Performed operational inspection of aircraft and systems. No defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 9/26/2025 Tail #: N171PS
A/C Make/Model: Diamond DA40
A/C S/N: 40.701 Total Tach Time: 2885.4

Work Performed: Cleaned, inspected, and serviced all wheel bearings. Inspected and lubricated all flight controls. Complied with AD2024-19-08 by replacing nose gear with new D41-3223-10-00_2 NLG strut. Installed new canopy strut(P/N:DAI-9052-00-10). Installed new rear door strut(DAI-9052-00-11). Installed new DME/XPDER antenna(CI-105). Installed new protect your starter placard. Installed new spiral wrap on alternate air cable. Installed new DA4-9032-23-02 rubber busing. New grease seals on disk side of copilot wheel. Installed new Powerflow insert(P/N: PFS-8016) in accordance with manufacturer instructions. Complied with Instructions listed in Concorde RG Series Main Aircraft Battery Component Maintenance Manual No. 5-0171.

Performed ground run and operational inspection of aircraft and systems. No leaks or defects noted at this time. All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.

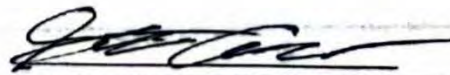


Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 9/26/2025 Tail #: N171PS
A/C Make/Model: Diamond DA40
A/C S/N: 40.701 Total Tach Time: 2885.4

Work Performed: I certify this aircraft has been serviced and inspected I/A/W a 100 Hour Inspection I/R/T Diamond DA40 Maintenance Manual and AC 43.13. This aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

CARRIED FORWARD

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Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

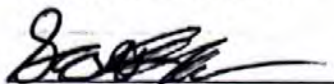
Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 7/16/2025 Tail #: N171PS
A/C Make/Model: Diamond DA40
A/C S/N: 40.701 Total Tach Time: 2781.1

Work Performed: Repaired damaged rear hinge on passenger door.

Performed operational inspection of aircraft and systems. No defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

ENT
IN DATE

Airframe Date: 7/6/2025 Tail#: N171PS
A/C Make/Model: DiamondDA40
A/C S/N: 40.701 Tach Time: 2781.1 Total Time: 2781.1

Work Performed: Cleaned, inspected, and serviced all wheel bearings. Inspected and lubricated all flight and engine controls. Replaced the emergency backup battery. Repaired fire paint on the bottom and top cowlings. Differential compression test performed results as follows: #1-68/80, #2-78/80, #3-69/80, #4-78/80.

Complied with the following ICAs:
Instructions listed in Concorde RG Series Main Aircraft Battery Component Maintenance Manual No. 5-0171, no defects
Instructions listed in Garmin Drawing No. 190-00545-01
Garmin GI 275 STC SA02658SE
Essential bus inspection. Next due at AFTT: 3022.2
Electrical Bonding Inspection next due at AFTT: 3022.2
Emergency battery. Next due by July 2027
Instructions listed in Powerflow Systems Manual PFS-15102
GAMjector STC instructions IP-98-001

Complied with AD15-19-07 External Fuel Injector Lines, effective 11/03/15 by visual inspection, next due by AFTT: 2891.1.

Complied with AD 2024-19-08 Nose Landing Gear Pivot Axle effective 11/29/24. C/W inspection in section H (1). Next due at AFTT: 2891.1.

Performed ground run and leak check, no leaks or defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



William Painter A&P31706951A

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 7/6/2025 Tail #: N171PS
A/C Make/Model: Diamond DA40
A/C S/N: 40.701 Tach Time: 2781.1
Total Time: 2781.1

Work Performed: I certify this aircraft has been serviced and inspected I/R/T an Annual Inspection I/R/T Diamond DA40 Maintenance Manual and FAR AC 43.13. This aircraft was found to be in an airworthy condition and is approved for return to service.



William Painter A&P31706951A

Airframe Date: 7/6/2025 Tail #: N171PS
A/C Make/Model: Diamond DA40
A/C S/N: 40.701 Tach Time: 2781.1

Work Performed: Inspected and tested the ACK Technologies E-01, S/N: 056142 system in this aircraft according to applicable Aircraft and ELT manufactures instructions and applicable FAA guidance and found it meets the requirements of FAR 91.207 (d). Batteries due replacement by DEC 2028. Remote battery due Dec 2030

In reference to the work listed above, this ELT was found to be in an airworthy condition and is approved for return to service.



William Painter A&P31706951A

AIR TIME AND

ENGINEERING RECORD

USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 5/5/2025 Tail #: N171PS


Make/Model: Diamond DA40

C/S/N: 40.701 Total Tach Time: 2765.4

Work Performed: Complied with recommended service bulletin SB 40-083 in accordance with work instructions WI-RSB 40-83.

Performed operational inspection of aircraft and systems. No effects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305



Freedom Aviation
310 Hangar Road
Lynchburg, VA 24502
(434) 237-8434
CRS# BGSR439C

Date: 06/17/2025
Aircraft: N171PS
Type: DA40 SN: 40.701
Hobbs: 3577.6
WO: A25-0142

1

Airframe Entries

I certify that this altimeter system, static system test required by 14 CFR 91.411 have been performed and comply with 14 CFR part 43 Appendix E.

Altimeter was tested to 20,000Ft.

Altitude reporting system test to 20,000Ft.

I certify that this transponder test required by 14 CFR 91.413 have been performed and found to comply with 14 CFR Part 43, Appendix F.

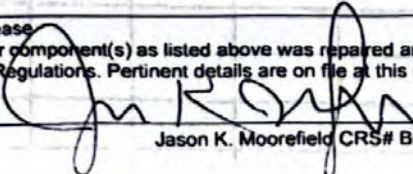
Make/Model: Garmin GTX345R

SN: 3EH420541; Mode: A/C/S

End.

Maintenance Release

The aircraft and/or component(s) as listed above was repaired and inspected in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.



Jason K. Moorefield CRS# BGSR439C

CARRIED FORWARD

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT
 ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER



Freedom Aviation
 310 Hangar Road
 Lynchburg, VA 24502
 (434) 237-8434
 CRS# BGSR439C

Date: 02/13/2025 1
 Aircraft: N171PS
 Type: DA40 SN: 40.701
 Hobbs: 3463.9
 WO: A25-0038

Airframe Entries

Removed failed Garmin G1000 PFD Display GDU1040 PN: 011-00972-03 SN: 88902479 and installed factory exchange unit PN: 011-00972-03 SN: 88901588. Completed all required software loads and configuration of the G1000 system in accordance with Garmin G1000 Diamond LMM# 190-00545-01. The PFD ramp checked good with no discrepancies noted.

End.

Maintenance Release

The aircraft and/or component(s) as listed above was repaired and inspected in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.

Jason K. Moore CRJ# BGSR439C

Kane Aviation LLC
 22 Waypoint Dr NW
 Roanoke, VA 24012

Airframe Date: 4/14/2025 Tail #: N171PS
 A/C Make/Model: Diamond DA40
 A/C S/N: 40.701 Total Tach Time: 2730.8

Work Performed: removed rear door. Installed tongue back on lock and reinstalled door on the aircraft.

Performed operational inspection of aircraft and systems. No defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.

Scott Emmons A&P 4560305

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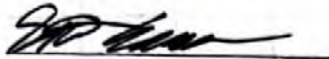
Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 14/4/2024 Tail #: N171PS
A/C Make/Model: Diamond DA40
A/C S/N: 40.701 Total Tach Time: 2668.7

Work Performed: replaced nose wheel tire tube with new 5.00-5 tire tube with TR-67A valve. Installed all new hardware on the wheel as well.

Performed operational inspection of aircraft and systems. No defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 11/25/2024 Tail #: N171PS
A/C Make/Model: Diamond DA40
A/C S/N: 40.701 Total Tach Time: 2517.5

Work Performed: Cleaned, inspected, and serviced all wheel bearings. Inspected and lubricated all flight controls. Installed new Cleveland brake liners (P/N:066-14100) on pilot and copilot side. Complied with **AD2024-19-08 through inspection of gear leg Next due at 2627.5 TT.** Complied with Instructions listed in Concorde RG Series Main Aircraft Battery Component Maintenance Manual No. 5-0171.

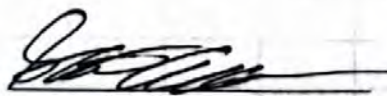
Performed ground run and operational inspection of aircraft and systems. No leaks or defects noted at this time. All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.


Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 11/25/2024 Tail #: N171PS
A/C Make/Model: Diamond DA40
A/C S/N: 40.701 Total Tach Time: 2517.5

Work Performed: I certify this aircraft has been serviced and inspected I/A/W a **100 Hour Inspection** I/R/T Diamond DA40 Maintenance Manual and AC 43.13. This aircraft was found to be in an airworthy condition and is approved for return to service.


Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 1/14/2025 Tail #: N171PS
A/C Make/Model: Diamond DA40
A/C S/N: 40.701 Total Tach Time: 2449.1

Work Performed: Inspected right main tire tube found a crack at base of valve stem removed tire and replaced tube with new aero classic GL-6020B. reinstalled tire on aircraft.

Performed operational inspection of aircraft and systems. No defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.


Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 7/23/2024 Tail #: N171PS
A/C Make/Model: Diamond DA40
A/C S/N: 40.701 Tach Time: 2589.0 Total Time: 2589.0

Work Performed: Cleaned, inspected, and serviced all wheel bearings. Inspected and lubricated all flight and engine controls. Differential compression test performed results as follows: #1: 75/80, #2: 78/80, #3: 78/80, #4: 77/80

Complied with the following ICAs:
Instructions listed in Concorde RG Series Main Aircraft Battery Component Maintenance Manual No. 5-0171, no defects
Instructions listed in Garmin Drawing No. 190-00545-01
Essential bus inspection. Next due at AFTT: 3022.2
Electrical Bonding Inspection next due at AFTT: 3022.2
Emergency battery. Next due by July 2025
Instructions listed in Powerflow Systems Manual PFS-15102
GAMIjector STC instructions IP-98-001

Complied with AD15-19-07 External Fuel Injector Lines, effective 11/03/15 by visual inspection, next due by AFTT: 2699.0.

Performed ground run and leak check, no leaks or defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 5/13/2024 Tail #: N171PS

A/C Make/Model: Diamond DA40

A/C S/N: 40.701 Total Tach Time: 2517.5

Work Performed: I certify this aircraft has been serviced and inspected I/A/W a 100 Hour Inspection I/R/T Diamond DA40 Maintenance Manual and AC 43.13. This aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305



William Painter A&P31706951A

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 7/23/2024 Tail #: N171PS

A/C Make/Model: Diamond DA40

A/C S/N: 40.701 Tach Time: 2589.0

Work Performed: Inspected and tested the ACK Technologies E-01, S/N: 056142 system in this aircraft according to applicable Aircraft and ELT manufactures instructions and applicable FAA guidance and found it meets the requirements of FAR 91.207 (d). **Batteries due replacement by DEC 2028. Remote battery due Dec 2030**

In reference to the work listed above, this ELT was found to be in an airworthy condition and is approved for return to service.

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 7/23/2024 Tail #: N171PS

A/C Make/Model: Diamond DA40

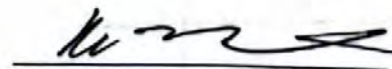
A/C S/N: 40.701 Tach Time: 2589.0

Total Time: 2589.0

Work Performed: I certify this aircraft has been serviced and inspected I/A/W an Annual Inspection I/A/W Diamond DA40 Maintenance Manual and FAR AC 43.13. This aircraft was found to be in an airworthy condition and is approved for return to service.



William Painter A&P31706951A



William Painter A&P31706951A

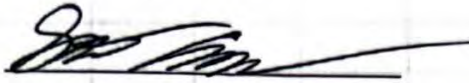
Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 2/13/2024 Tail #: N171PS

A/C Make/Model: Diamond DA40

A/C S/N: 40.701 Total Tach Time: 2422.3

Work Performed: I certify this aircraft has been serviced and inspected I/A/W a 100 Hour Inspection I/R/T Diamond DA40 Maintenance Manual and AC 43.13. This aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 2/21/2024 Tail #: N171PS

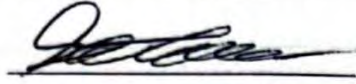
A/C Make/Model: Diamond DA40

A/C S/N: 40.701 Total Tach Time: 2427.0

Work Performed: Replaced landing lightbulb and landing/ taxi light lens.

Performed operational inspection of aircraft and systems. No defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

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Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 3/14/2024 Tail #: N171PS

A/C Make/Model: Diamond DA40

A/C S/N: 40.701 Total Tach Time: 2449.1

Work Performed: Adjusted prop high RPM stop.

Performed operational inspection of aircraft and systems. No defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

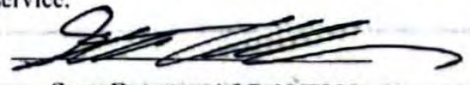
Airframe Date: 5/13/2024 Tail #: N171PS

A/C Make/Model: Diamond DA40

A/C S/N: 40.701 Total Tach Time: 2517.5

Work Performed: Cleaned, inspected, and serviced all wheel bearings. Inspected and lubricated all flight controls. Replaced fuel sump in the left wing (P/N: CAV-180). Complied with Instructions listed in Concorde RG Series Main Aircraft Battery Component Maintenance Manual No. 5-0171.

Performed ground run and operational inspection of aircraft and systems. No leaks or defects noted at this time. All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

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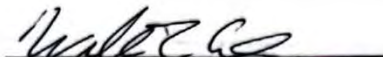
Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 11/9/2023 Tail #: N171PS

A/C Make/Model: Diamond DA40

A/C S/N: 40.701 Tach Time: 2317.9 AFTT: 2317.9

Work Performed: I certify this aircraft has been serviced and inspected I/R/T a **100 Hour Inspection** I/R/T Diamond DA40 Maintenance Manual and AC 43.13. This aircraft was found to be in an airworthy condition and is approved for return to service.



William Painter A&P 31706951A

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 11/13/2023 Tail #: N171PS

A/C Make/Model: Diamond DA40

A/C S/N: 40.701 Tach Time: 2320.3

Work Performed: Installed new EGT probe on number one cylinder and a new CITT probe in cylinder four.

Operational check performed with no defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



William Painter A&P 3170695 1A

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 12/13/2023 Tail #: N171PS

A/C Make/Model: Diamond DA40

A/C S/N: 40.701 Total Tach Time: 3009.9

Work Performed: Installed new Cleveland parking brake valve (P/N:60-5D).

Performed a leak check and operational inspection of aircraft and systems. No defects or leaks noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 2/13/2024 Tail #: N171PS

A/C Make/Model: Diamond DA40

A/C S/N: 40.701 Total Tach Time: 2422.3

Work Performed: Cleaned, inspected, and serviced all wheel bearings. Inspected and lubricated all flight controls. Replaced bottom brake line clamps on co-pilot side landing gear. Replaced right side rudder pedal springs on pilot and co-pilot. Replaced flaps up position bulb. Complied with Instructions listed in Concorde RG Series Main Aircraft Battery Component Maintenance Manual No. 5-0171.

Performed ground run and operational inspection of aircraft and systems. No leaks or defects noted at this time. All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 7/28/2023 Tail #: N171PS

A/C Make/Model: Diamond DA40

A/C S/N: 40.701 Tach Time: 2217.4

Total Time: 2217.4

Work Performed: I certify this aircraft has been serviced and inspected I/A/W an **Annual Inspection** I/A/W Diamond DA40 Maintenance Manual and FAR AC 43.13. This aircraft was found to be in an airworthy condition and is approved for return to service.


William Painter A&P31706951A

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 7/28/2023 Tail #: N171PS

A/C Make/Model: Diamond DA40

A/C S/N: 40.701 Tach Time: 2217.4

Work Performed: Inspected and tested the ACK Technologies E-01, S/N: 056142 system in this aircraft according to applicable Aircraft and ELT manufactures instructions and applicable FAA guidance and found it meets the requirements of FAR 91.207 (d). **Batteries due replacement by DEC 2028.**

In reference to the work listed above, this ELT was found to be in an airworthy condition and is approved for return to service.


William Painter A&P31706951A

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 10/3/2023 Tail #: N171PS


A/C Make/Model: Diamond DA40

A/C S/N: 40.701 Total Tach Time: 2277.0

Work Performed: replaced fitting on parking brake. Adjusted aileron trim.

Performed operational inspection of aircraft and systems. No defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.


Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 11/9/2023 Tail #: N171PS

A/C Make/Model: Diamond DA40

A/C S/N: 40.701 Tach Time: 2317.9 AFTT: 2317.9


Work Performed: Cleaned, inspected, and serviced wheel bearings. Inspected and lubricated all flight controls. Installed new Concord RG Series main aircraft battery. Replaced Garmin g1000 air filter. Differential compression test performed results as follows: #1:78/80 #2:76/80 #3:78/80 #4:77/80. Complied with AD2015-19-07 by visually inspecting fuel injector fuel lines and clamps between the fuel manifold and fuel injector nozzles. No leaks or defects found at this time. **Next inspection due by AFTT 2427.9.**

Complied with the following ICAs:

Instructions listed in Concorde RG Series Main Aircraft Battery Component Maintenance Manual No. 5-0171, no defects
Instructions listed in Garmin Drawing No. 190-00545-01
Essential bus inspection. Next due at AFTT: 3022.2
Electrical Bonding Inspection next due at AFTT: 3022.2
Emergency battery. Next due by July 2025
Instructions listed in Powerflow Systems Manual PFS-15102
GAMIjector STC instructions IP-98-001

No leaks or defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.


William Painter A&P 31706951A



Freedom Aviation
 310 Hangar Road
 Lynchburg, VA 24502
 (434) 237-8434
 CRS#BGSR439C

Date: 9/23/2022
 Aircraft: N171PS
 Type: DA40 S/N: 40.701
 Tach: 2207.7 Hobbs: 2821.6
 WO: A22-0414

1

IRING RECORD
 ANY LINES AS REQUIRED FOR COMPLETE

Airframe Entries

I certify that this altimeter system, static system test required by 14 CFR 91.411 have been performed and comply with 14 CFR part 43 Appendix E.

Altimeter was tested to 20,000 Ft.

Altitude reporting system test to 20,000 Ft.

I certify that this transponder test required by 14 CFR 91.413 have been performed and found to comply with 14 CFR Part 43, Appendix F.

Make/Model GTX33

SN# 89103006. END.

Maintenance Release

The aircraft and/or component(s) as listed above was repaired and inspected in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.

Jason K. Moorefield CRS#BGSR439C



Freedom Aviation
 310 Hangar Road
 Lynchburg, VA 24502
 (434) 237-8434
 CRS# BGSR439C

Date: 06/14/2023
 Aircraft: N171PS
 Type: DA40 SN: 40.701
 Hobbs: 2835.1
 WO: A23-0251

1

Airframe Entries

I certify that this altimeter system, static system test required by 14 CFR 91.411 have been performed and comply with 14 CFR part 43 Appendix E.

Altimeter was tested to 20,000 Ft.

Altitude reporting system test to 20,000 Ft.

I certify that this transponder test required by 14 CFR 91.413 have been performed and found to comply with 14 CFR Part 43, Appendix F.

Make/Model GTX33

SN# 89103006; Mode: A/C/S

End.

Maintenance Release

The aircraft and/or component(s) as listed above was repaired and inspected in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.

Jason K. Moorefield CRS# BGSR439C

ENGINEERING RECORD

A36¹⁸

INSPECTION, REPAIRS & REPLACEMENT
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

wo: 20120701

Airframe - page 1 of 1



Classic Aviation · 69 Aviation Circle · Weyers Cave, VA 24486 · 5402340226

N171PS
Hobbs: 2728.2

DIAMOND AIRCRAFT IND INC, DA 40, S/N: 40.701
TACH: 2131.8 AFTT: 2131.8

December 9, 2020

AIRFRAME

1. Completed an Annual inspection this date in reference to Diamond DA40 AMM Rev. 7.
2. C/W ICA for Powerflow Exhaust System per MSD2007-001. Removed, inspected, and lubricated Powerflow Exhaust. No discrepancies found. Reinstalled exhaust system. *Replaced insert pfs-801G.*
3. C/W Diamond Aircraft MSB40-033 50 Hour Exhaust Inspection; visual inspection of exhaust flanges with no discrepancies noted.
4. Installed new Michelin 15x6.0-6/6/120 tire P/N 072-449-0 with new Goodyear G15/6 inner tube P/N 06-05300-1.
5. Performed an AD search and updated AD report.
6. Inspected ACK E-01 ELT in accordance with CFR 91.207(d). Operational check normal. ELT battery due DEC-2028, ELT remote battery due DEC-2021.

The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired and/or inspected in accordance with current Regulation of the Federal Aviation Agency and is approved for return to service for the work performed. I certify that this Aircraft has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

David Malone A&P IA 3879748

wo: 5449

Airframe - page 1 of 1



Classic Aviation · 69 Aviation Circle · Weyers Cave, VA 24486 · (540)234-0226

N171PS

DIAMOND AIRCRAFT IND INC, DA 40, S/N: 40.701

December 08, 2021

ENGINE TT: 2188.1

HOBBS: 2795.3

ACTT: 2188.1

ENG SMOH: 992.9

PROP TT: 2188.1

TACH: 2188.1

AIRFRAME

Performed annual inspection referencing DA 40 Maint. manual and checklist. C/W CFR 91.207(d) ELT. Inspected ACK E-01, S/N 056142 Bat. due 12-2028. Remote due Dec. 2030. Ops check normal. C/W ICA for Powerflow exhaust. Removed exhaust system, inspected, cleaned and lubed joints and reinstalled with new 77611 gaskets. No defects noted. C/W Diamond MSB40-033. 50 hr exhaust flange inspection. No defects noted. C/W Garmin G1000 ICA by replacing 5 fuses P/N 031303-2HXP. Next due Dec.2023. Installed new drain valve on gascolator, p/n CCA1550. No leaks noted. Removal cover inspected coupling and vent line. Cleaned area around vent for observation. Reattached wingroot seal with Bostik 1100 sealant. Applied heat shield material to lower cowling near tailpipe.

The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired and/or inspected in accordance with current Regulation of the Federal Aviation Agency and is approved for return to service for the work performed.

David Kihlmire A&P 2767649

I certify that this Aircraft has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

Yevgeniy Bondarev A&P IA 3674475



Freedom Aviation
 310 Hangar Road
 Lynchburg, VA 24502
 (434) 237-8434
 CRS# BGSR439C

Date: 06/29/2020
 Aircraft: N171PS S/N: 40.701
 Type: DA40
 Tach: 2119.9
 WO: A20-0273

Airframe Entries

I certify that this altimeter system, static system test required by 14 CFR 91.411 have been performed and comply with 14 CFR part 43 Appendix E.

Altimeter was tested to 20,000 Ft.
 Altitude reporting system test to 20,000 Ft.

I certify that this transponder test required by 14 CFR 91.413 have been performed and found to comply with 14 CFR Part 43, Appendix F.

Make/Model Garmin GTX33
 SN# 89103006
 Mode: A/C/S

Maintenance Release

The aircraft and/or component(s) as listed above was repaired and inspected in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.

Jason K. Moorefield CRS#: BGSR439C



Freedom Aviation
 310 Hangar Road
 Lynchburg, VA 24502
 (434) 237-8434
 CRS# BGSR439C

Date: 09/18/2020
 Aircraft: N171PS S/N: 40.701
 Type: DA40
 Tach: 2122.6
 WO: A20-0283

Airframe Entries The following equipment was removed including the connector, Mid Continent Attitude Indicator P/N 4300-207 S/N G06-10220. Installed the Garmin GI275 Multi-Function Indicator unit P/N 010-02326-10 S/N 5MZ101109 and VFR GPS antenna P/N010-12444-10 S/N641000581 in the Standby Attitude position as per the Garmin STC#SA02658SE and Garmin Installation manual #190-02246-10. Inserted the Garmin GI-275 Flight Manual Supplement # 190-02246-12 in the aircraft flight manual, inserted Garmin Instructions for Continued Airworthiness # 190-02246-11 into the aircraft records. This system must be operated and maintained according to these documents. For more details see FAA Form 337 dated this date.

I certify that this altimeter system, static system test required by 14 CFR 91.411 have been performed and comply with 14 CFR part 43 Appendix E.

Altimeter was tested to 20,000 Ft. Altitude reporting system test to 20,000 Ft.

I certify that this transponder test required by 14 CFR 91.413 have been performed and found to comply with 14 CFR Part 43, Appendix F.

Make/Model GTX33 SN# 89103006 Mode: A/C/S End.

Maintenance Release

The aircraft and/or component(s) as listed above was repaired and inspected in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.

Jason K. Moorefield CRS#: BGSR439C

ENGINEERING RECORD

A34

Kane Aviation LLC
 22 Waypoint Dr NW
 Roanoke, VA 24012



3330 Airport Loop Road
 Salisbury, NC 28147
 info@southtecaviation.com

Airframe Date: 1/1/2019 Tail #: N171PS

Date: December 21, 2018 | DA40 | S/N: 40.701 | Reg: N171PS
 Tach: 2022.2 hrs. TTAF: 2022.2 hrs.

A/C Make/Model: Diamond DA 40

A/C S/N: 40.701 Tach Time: 2023.3

During annual/2000 hour inspection special attention was paid to the aircraft's aileron pushrod rollers. They were inspected and found to be in good condition. Fire extinguisher replaced with new 1.4 lb Halotron fire extinguisher.

Work Performed: Installed new Sky-Tec starter P/N: 149-24LS S/N: H-S103679. Operational check performed with no defects noted at this time.

Christian Hedrick
 Christian Hedrick

A&P 3740465 IA

All work listed above was performed I/R/T Diamond DA40 Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.

Casey McGuffee
 Casey McGuffee A&P 3957181

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N171PS



63 Aviation Circle
 Weyers Cave, VA
 24486

12/18/2019

Hourmeter 2687.6

Tach 2101.4

ACTT 2101.4

AIRFRAME LOG

Researched and prepared AD record list. C/W ICA for Powerflow Exhaust per MSD 2007-001; removed, inspected, lubricated and re-installed Powerflow Exhaust with new gaskets, installed new insert. C/W G1000 ICA; Installed 5 new 3.2A fuses/ops check normal. Next due December 2021, or 2201.47 ACTT. C/W 2015-19-07 fuel injector line inspection; next due 2201.4 ACTT, or at any injector work. C/W MSB40-033 50-hour exhaust inspection; visual inspection of flanges. Applied ice shield to prop abrasion. Reattached scat hose under pilot seat. Tightened fitting on left brake master cylinder top up both cylinders with MIL 5606 fluid.

The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired and/or inspected in accordance with current Regulation of the Federal Aviation Agency and is approved for return to service for the work performed.

Signed *[Signature]*
 Classic Aviation, LLC

David Kihmire
 A&P # 2767649

Inspected ACK E-01 ELT, in accordance with CFR 91.207(d). Ops check normal. Battery due 2028.

Completed inspection this date in accordance with Diamond DA40 AMM Rev. 7. I certify that this Aircraft has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

Signed *[Signature]*
 Classic Aviation, LLC

Yevgeniy Bondarev
 A&P # 3874475 IA

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Kane Aviation LLC
 22 Waypoint Dr NW
 Roanoke, VA 24012

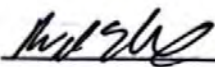
RECORD

A32¹⁶

Airframe Date: 12/27/2017 Tail #: N171PS
 A/C Make/Model: Diamond DA 40
 A/C S/N: 40.701 Tach Time: 1958.00 TT: 1958.00

Work Performed: Performed ICA instructions and tested ACK Technologies E-01 ELT per applicable manufactures instructions and FAA guidance and found it meets the requirements of FAR 91.207B. Batteries recommend to be changed 2018 due 2025.

In reference to the work listed, this ELT was found to be in airworthy condition and is approved for return to service.



William Painter A&P 3170695 IA



Thoroughbred Aviation Maintenance, Inc.
 Airframe

Date: 17/May/2018
 AC: N171PS


WO: 8591
 AC SN: 40.701

Hobbs: 2553.8
 Tach: 1990.0

1. Removed and replaced Voltage Regulator with new P/N: VR2000-28-1 S/N: 80Q58321. IAW Diamond DA-40 Maintenance Manual 24-30-00.
2. Performed operational check out. No defects noted.

End

MAINTENANCE RELEASE

The aircraft and/or component identified was repaired in accordance with current FAA regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this agency under Work Order: 8591 Date: 17/May/2018
 Signed:  For CRS: R81R199Y



Freedom Aviation
 310 Hangar Road
 Lynchburg, VA 24502
 (434) 237-3342
 CRS# BGSR439C

Date: 06/13/2018
 Aircraft: N171PS
 Type: DS40 Tach: 1,999.9
 S/N: 40.701
 WO: A18-0276

Airframe Entries

I certify that this altimeter system, static system test required by FAR 91.411 have been performed and comply with 14 CFR part 43 Appendix E.

Altimeter was tested to 20,000 Ft.

Altitude reporting system test to 20,000 Ft.

I certify that this transponder test required by 14 CFR 91.413 have been performed and found to comply with 14 CFR Part 43, Appendix F.

Make/Model Garmin GTX33

SN# 89103006

Mode: A/C/S

Maintenance Release

The aircraft and/or component(s) as listed above was repaired and inspected in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.


 Jason K. Moorefield CRS#: BGSR439C

A31

AIR TIME AND

| | | | | | | |
|---|-------------------------|-----------|---------------------------------|------|---------------|--------|
| Date | <u>12/17/2017</u> | Hourmeter | <u>2515.8</u> | Tach | <u>1958.0</u> | N171PS |
| Replaced pilot and copilot AMSAFE seatbelts with Diamond factory-approved padded seatbelts. | | | | | | |
| By | <u>Richard Gillmore</u> | | owner/PPL cert # <u>3228890</u> | | | |
| | Richard Gillmore | | | | | |

Kane Aviation LLC
 22 Waypoint Dr NW
 Roanoke, VA 24012

Airframe Date: 12/27/17 Tail#: N171PS A/C Make/Model: Diamond DA 40
 A/C S/N: 40.701 Tach Time: 1958 A/C TT: 1958

Work Performed:

- Performed annual inspection per diamond DA 40 Maintenance Manual.
- Compressions # 1: 78/80 #2: 78/80 #3: 78/80 #4: 77/80
- Replaced nose wheel bearings and cups
- Replaced left main wheel bearings and cups
- Replaced nose wheel spot plate with owner supplied part
- Replaced broken ground straps on right aileron and elevator bellcrank
- Replaced cabin heat tube from cowling to shroud
- Replaced emergency backup battery EXP DATE: January 3, 2020
- Installed new concord start battery
- C/W ICA on Powerflow exhaust per PFS-15102
- C/W ICA on GDL 69
- C/W ICA on Garman 1000 and GFC 700 by checking fuses and flap discrete input check per Diamond DA 40/GFC 700 system Maintenance Manual
- C/W ICA on Gami fuel injectors per IP-98-001
- C/W ICA on plane power alternator per part no 10-5001 installation instructions
- C/W ICA on 12 V AUX power assembly for condition and security per installation Dwg
- C/W ICA on Ack ELT per installation manual

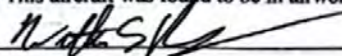
AD 14-13-08 center wing aft main spar due at 2170.50 hours or by Jan 2024

C/W AD 15-19-07 fuel injection lines effective November 3, 2015 by section 1(2) inspection next due at 2068.00 hrs

AD 17-16-11 connecting rods DNA by engine overhaul date

AD 93-05-06 Ignition switch due at 2000.00hrs

All work done I/R/T Diamond DA 40 Maintenance Manual. This aircraft was found to be in airworthy condition and is approved for return to service


 William Painter A&P 31706951A

Kane Aviation LLC
 22 Waypoint Dr NW
 Roanoke, VA 24012

Airframe Date: 12/27/17 Tail#: N171PS A/C Make/Model: Diamond DA 40
 A/C S/N: 40.701 Tach Time: 1958 A/C TT: 1958

I certify that this aircraft has been inspected in accordance with an annual inspection as per Diamond DA 40 Maintenance Manual and was determined to be in an airworthy condition


 William Painter A&P 31706951A

ENGINEERING RECORD

A30 15


Kane Aviation LLC. 22 Waypoint Dr. Roanoke, VA. 24012

2 of 3

Airframe Date: 12/20/2016 Tail Number: N171PS Aircraft Make/Model: Diamond Aircraft DA 40
Aircraft TT: 1860.9 Aircraft S/N: 40.701 Tach: 1860.9

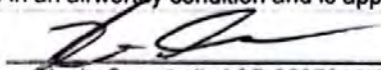
Service performed: Inspected and tested the ACK Technologies E-01, S/N: 056142 system in this aircraft according to applicable Aircraft and ELT manufactures instructions and applicable FAA guidance and found it meets the requirements of FAR 91.207 (d). Owner replaced batteries with new. Next recommended battery replacements due by 12/31/2017.

In reference to the work listed above, this ELT was found to be in an airworthy condition and is approved for return to service.


Kevin Campbell A&P 3537913IA

Airframe Date: 12/20/2016 Tail Number: N171PS Aircraft Make/Model: Diamond Aircraft DA 40 3 of 3
Aircraft TT: 1860.9 Aircraft S/N: 40.701 Tach: 1860.9 Aircraft Hobbs: 2388.8

I certify this aircraft has been serviced and inspected I/AAW an Annual Inspection I/AAW FAR 43 appendix D and I/AAW FAR 43.11. This aircraft was found to be in an airworthy condition and is approved for return to service.


Kevin Campbell A&P 3537913IA


Kane Aviation LLC. 22 Waypoint Dr. Roanoke, VA. 24012

1 of 1

Airframe Date: 12/20/2016 Tail Number: N171PS Aircraft Make/Model: Diamond Aircraft DA 40
Aircraft TT: 1860.9 Aircraft S/N: 40.701 Tach: 1860.9

Service performed Removed existing Whelen Model 7006205 strobe power supply from each wingtip and removed existing Whelen left and right wingtip strobe/position lights. Installed new Whelen OR6002R and OR6002G left and right wingtip Strobe/Position light assemblies. Per Diamond Aircraft Industries Document AMM-TR-OAM-40-369 Whelen LED Position/ Anti Collision Lights and Whelen Installation Guide for OR6002G, OR6002R, P/N: 01-0771733-11 and P/N: 01-0771733-12 Orion Wingtip PTA. Weight and Balance was negligible so no report was created. System tested and all operations checked normal.

All work listed above was done I/AAW Diamond Aircraft DA 40 Series Airplane Maintenance Manual and I/AAW FAR 43.9. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.


Kevin Campbell A&P 3537913IA

Kane Aviation LLC. 22 Waypoint Dr. Roanoke, VA. 24012

1 of 1

Airframe Date: 1/31/2017 Tail Number: N171PS Aircraft Make/Model: Diamond Aircraft DA 40
Aircraft Tach: 1869.8 Aircraft S/N: 40.701

Service performed Replaced faulty main canopy compression strut with new P/N: D41-5211-60-91_01. Replaced two static wicks with new P/N: D/G 16630. Tested canopy operation and all checked normal.

All work listed above was done I/AAW Diamond Aircraft DA 40 Series Airplane Maintenance Manual and I/AAW FAR 43.9. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.


Kevin Campbell A&P 3537913

Freedom Aviation 310 Hangar Rd Lynchburg, VA 24502

1 of 1

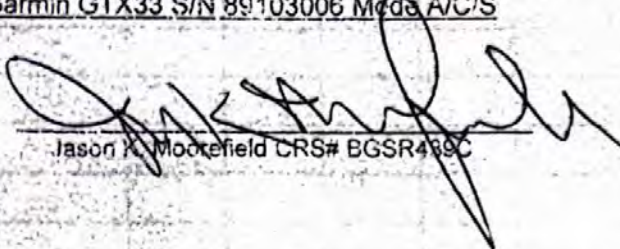
Date: 6/08/2016 Tail Number: N171PS Aircraft Make/Model: Diamond Aircraft DA 40 S/N 40.701
 Tech: 1798.4 WO# A16-0247

Airframe entries:

I certify that the static system, altimeter system, and the automatic pressure reporting system test required by 14 CFR 91.411 have been performed in accordance with Appendix E of 14 CFR 43 and current regulations of the Federal Aviation Administration and the aircraft is approved for return to service. The altimeter was tested to 20,000 feet.

I certify that the below listed transponder was given a biennial check as required by 14 CFR 91.413 in accordance with Appendix F to 14 CFR 43 and current Regulations of the Federal Aviation Administration and are approved for return to service.

Garmin GTX33 S/N 89103006 Mode A/C/S


 Jason K. Moorefield CRS# BGSR489C

Kane Aviation LLC. 22 Waypoint Dr. Roanoke, VA. 24012

1 of 1

Airframe Date: 9/16/2016 Tail Number: N171PS Aircraft Make/Model: Diamond Aircraft DA 40
 Aircraft TT: 1827.3 Aircraft S/N: 40.701 Tach: 1827.3

Service performed Replaced R/H main tire with customer supplied new P/N: 072-449-0 and new customer supplied tube P/N: 097-500-0. Torqued to manufactures specifications and performed leak test. No leaks or defects were noted at this current time.

All work listed above was done I/AW Diamond Aircraft DA 40 Series Airplane Maintenance Manual and I/AW FAR 43.9. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.


 Kevin Campbell A&P 35379131A

Kane Aviation LLC. 22 Waypoint Dr. Roanoke, VA. 24012

1 of 3

Airframe Date: 12/20/2016 Tail Number: N171PS Aircraft Make/Model: Diamond Aircraft DA 40
 Aircraft TT: 1860.9 Aircraft S/N: 40.701 Tach: 1860.9

Service performed: Cleaned, inspected and serviced all wheel bearings Replaced both main gear brake linings. Inspected all flight and engine controls. C/W ICA instructions listed in Concorde RG Series Main Aircraft Battery, Component MM No. 5-0171 and no defects. C/W ICA per Power Flow Systems, Inc. Report Number PS-15102 REV E dated June 10, 2010 as required by STC SA03281AT. Replaced Powerflow Insert with new P/N: PFS-8016. C/W ICA Instructions listed in in Garmin Drawing No. 190-00355-00 Rev E. C/W ICA on seat belts per Amsafe Supplemental Instructions for Continued Airworthiness Document No. E509605 Rev. D dated November 3, 2010. Inspected 12 volt Aux power wiring using Diamond Aircraft Drawing No. DA4-3144-20-0 and No. DA4-3144-21-00 section 4.1. Emergency battery pack P/N: D60-2560-91-00 expires October 2022. Replaced exhaust flange gaskets with new P/N: 77611. Serviced all tire pressures.

All work listed above was done I/AW Diamond Aircraft DA 40 Series Airplane Maintenance Manual and I/AW FAR 43.9. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.


 Kevin Campbell A&P 35379131A

ENGINEERING RECORD

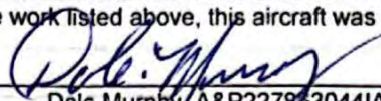
Kane Aviation LLC. 22 Waypoint Dr. Roanoke, VA. 24018

1 of 3 **INCE
BER**

Airframe Date: 12/10/2015 Tail Number: N171PS Aircraft Make/Model: Diamond Aircraft DA 40
Aircraft TT: 1770.4 Aircraft S/N: 40.701 Tach: 1770.4

Service performed: Cleaned, inspected and serviced all wheel bearings Replaced both main gear brake linings with new P/N: 066-141.. Inspected all flight and engine controls.C/W ICA instructions listed in Concorde RG Series Main Aircraft Battery. Component MM No. 5-0171 and no defects.C/W ICA per Power Flow Systems, Inc. Report Number PS-15102 Rev. E dated June 10, 2010 as required by STC SA03281AT. C/W ICA on Garmin GDL 69A per instructions listed in Garmin Drawing No.190-00355-00 Rev. E. C/W ICA on seat belts per Amsafe Supplemental Instructions for Continued Airworthiness Document No. E509605 Rev. D dated November 03, 2010. Inspected 12 volt aux power wiring using Diamond Aircraft Drawing No. DA4-3144-20-0 and No.DA4-3144-21-00. C/W Garmin GFC 700 Flap In Motion input inspection per instructions listed in Garmin DA40 airworthiness limitations section 4.1. Emergency battery pack P/N: D60-2560-91-00 expires **October 2022**. Serviced all tire pressures. AD 2014-13-08 Center wing aft main spar Due @ 2170.5 TTA or 3-1-2022 whichever Sooner. Performed engine ground run and operational inspection of aircraft and systems and no leaks or defects were noted at this time.

All work listed above was done I/AW Diamond Aircraft DA 40 Series Airplane Maintenance Manual and I/AW FAR 43.9. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.


Dale Murphy A&P227863044IA

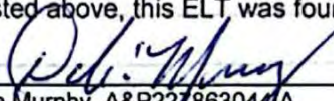
Kane Aviation LLC. 22 Waypoint Dr. Roanoke, VA. 24018

2 of 3

Airframe Date: 12/10/2015 Tail Number: N171PS Aircraft Make/Model: Diamond Aircraft DA 40
Aircraft TT: 1770.4 Aircraft S/N: 40.701 Tach: 1770.4

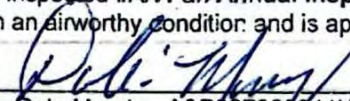
Service performed: Inspected and tested the ACK Technologies E-01, S/N: 056142 system in this aircraft according to applicable Aircraft and ELT manufactures instructions and applicable FAA guidance and found it meets the requirements of FAR 91.207 (d). Owner replaced batteries with new. Next recommended battery replacements due by 12/31/2016.

In reference to the work listed above, this ELT was found to be in an airworthy condition and is approved for return to service.


Dale Murphy A&P227863044IA

Airframe Date: 12/10/2015 Tail Number: N171PS Aircraft Make/Model: Diamond Aircraft DA 40 **3 of 3**
Aircraft TT: 1770.4 Aircraft S/N: 40.701 Tach: 1770.4 Aircraft Hobbs: 2266.8

I certify this aircraft has been serviced and inspected I/AW an Annual Inspection I/AW FAR 43 appendix D and I/AW FAR 43.11. This aircraft was found to be in an airworthy condition and is approved for return to service.


Dale Murphy A&P227863044IA

A27

AIR TIME AND

| DATE | DAILY TOTAL | | TOTAL AIR TIME SINCE MFG. | | ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE |
|------|-------------|------|---------------------------|------|---|
| | HRS. | MIN. | HRS. | MIN. | |

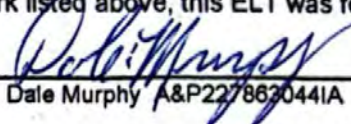
Kane Aviation LLC. 22 Waypoint Dr. Roanoke, VA. 24018

2 of 3

Airframe Date: 12/11/2014 Tail Number: N171PS Aircraft Make/Model: Diamond Aircraft DA 40
 Aircraft TT: 1702.5 Aircraft S/N: 40.701 Tach: 1702.5

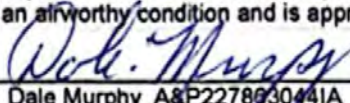
Service performed: Inspected and tested the ACK Technologies E-01, S/N: 056142 system in this aircraft according to applicable Aircraft and ELT manufactures instructions and applicable FAA guidance and found it meets the requirements of FAR 91.207 (d). Owner replaced batteries with new. Next recommended battery replacements due by 12/31/2016.

In reference to the work listed above, this ELT was found to be in an airworthy condition and is approved for return to service.


 Dale Murphy A&P227863044IA

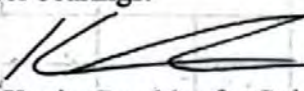
Airframe Date: 12/11/2014 Tail Number: N171PS Aircraft Make/Model: Diamond Aircraft DA 40 3 of 3
 Aircraft TT: 1702.5 Aircraft S/N: 40.701 Tach: 1702.5 Aircraft Hobbs: 2185.6

I certify this aircraft has been serviced and inspected I/AW an Annual Inspection I/AW FAR 43 appendix D and I/AW FAR 43.11. This aircraft was found to be in an airworthy condition and is approved for return to service.


 Dale Murphy A&P227863044IA

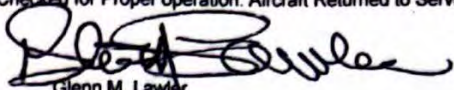
AIRFRAME LOG ENTRY N171PS

Date: 8-29-2015 Hobbs reads: 2244.2 Tach reads: 1751.9
 Replaced left main wheel inner tube P/N 097-500-0. Cleaned and packed left main wheel bearings.


 Kevin Gaschler for Solo Aviation
 AP3257112


CARRIED FORWARD

ENGINEERING RECORD

| INSPECTION, REPAIRS & REPLACEMENT ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS. | SIGNATURE | LICENCE NUMBER |
|---|-----------|----------------|
| <p><u>July 03, 2014</u></p> <p>South Tec Aviation Mobile (334) 728-6806</p> <p>Date: July 03, 2014 DA40.701 Reg: N171PS Tach: 1644.4 TT: 1644.4 hrs.</p> <p>Removed and replaced damaged Fire Paint/Clear Coat. Repaired Carbon Fiber in bottom cowling. Removes canopy and replaced Silicone Seal. Installed new exhaust hanger. Replaced Aircraft Main Battery with new Concord RG 24-15M S/N 40663475 All work performed I/AAW Diamond DA40 AMM. Complied with all applicable FAR's. Checked for Proper operation. Aircraft Returned to Service.</p> <p> Glenn M. Lawler</p> <p style="text-align: right;">AP 2151929 IA</p> | | |


Date 07/31/2014 Hourmeter 2138.4 Tach 1659.1 **N171PS**

Removed existing front tire, a Condor 5.00-5, part # 072-312-0 and replaced with new Condor 5.00-5 tire and tube, s/n 4073S00105. Inflated to 29 lbs. Ground taxi normal.

By 
Richard G. Gillmore owner/PPL cert # 3228890

Date 08/19/2014 Hourmeter 2146.6 Tach 1668.1 **N171PS**

Removed existing left main tire, a Condor 15x6.00-6, part # 072-449-0 and replaced with new Condor 15x6.00-6 tire and tube, s/n 3329S00002. Inflated to 32 lbs. Ground taxi normal.

By 
Richard Gillmore owner/PPL cert # 3228890

Kane Aviation LLC. 22 Waypoint Dr. Roanoke, VA. 24018

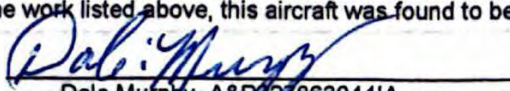
1 of 3

Airframe Date: 12/11/2014 Tail Number: N171PS Aircraft Make/Model: Diamond Aircraft DA 40
 Aircraft TT: 1702.5 Aircraft S/N: 40.701 Tach: 1702.5

Service performed: Cleaned, inspected and serviced all wheel bearings. Inspected all flight and engine controls. CW ICA instructions listed in Concorde RG Series Main Aircraft Battery. Component MM No. 5-0171 and no defects. CW ICA per Power Flow Systems, Inc. Report Number PS-15102 Rev. E dated June 10, 2010 as required by STC SA03281AT. CW ICA on Garmin GDL 69A per instructions listed in Garmin Drawing No. 190-00355-00 Rev. E. CW ICA on seat belts per Amsafe Supplemental Instructions for Continued Airworthiness Document No. E509605 Rev. D dated November 03, 2010. Inspected 12 volt aux power wiring using Diamond Aircraft Drawing No. DA4-3144-20-00 and No. DA4-3144-21-00, no defects. CW Garmin GFC 700 Flap In Motion input inspection per instructions listed in Garmin DA40 airworthiness limitations section 4.1. Emergency battery pack P/N: D60-2560-91-00 expires October 2022. Serviced all tire pressures. AD 2014-13-08 Center wing aft main spar Due @ 2170.5 TTA or 3-1-2022 whichever Sooner.

Performed engine ground run and operational inspection of aircraft and systems and no leaks or defects were noted at this time.

All work listed above was done I/AAW Diamond Aircraft DA 40 Series Airplane Maintenance Manual and I/AAW FAR 43.9. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.


Dale Murphy A&P 27863044IA

Airframe Date: 12/14/2012 Tail Number: N171PS Aircraft Make/Model: Diamond Aircraft DA 40
Aircraft TT: 1497.5 Aircraft S/N: 40.701 Tach: 1497.5

Service performed: Cleaned, inspected and serviced all wheel bearings. Inspected and lubed all flight and engine controls. Removed battery and complied with ICA instructions listed in Concorde RG Series Main Aircraft Battery Component Maintenance Manual No. 5-0171 and no defects were noted, installed battery. Removed exhaust system, replaced muffler insert with kit P/N: PFS-8016, S/N: 12-0992 supplied by Power Flow Systems and C/W ICA per Power Flow Systems, Inc. Report Number PS-15102 Rev. E dated June 10, 2010 as required by STC SA03281AT and no defects were noted, installed all exhaust components. C/W ICA on Garmin GDL 69A per instructions listed in Garmin Drawing No.190-00355-00 Rev. E and no defects were noted. C/W ICA on seat belts per instructions listed in Amsafe Supplemental Instructions for Continued Airworthiness Document No. E509605 Rev. D dated November 03, 2010 as required by STC SA01918LA using diagnostic tool P/N: V23 and no defects were noted at this time. Inspected 12 volt aux power wiring using Diamond Aircraft Drawing No. DA4-3144-20-00 and No.DA4-3144-21-00 as a guide and no defects were noted. C/W Garmin GFC 700 Flap In Motion input inspection per instructions listed in Garmin DA40 airworthiness limitations section 4.1 and no defects were noted at this time. Replaced emergency battery pack P/N: D60-2560-91-00 with new supplied by Diamond Aircraft, battery expires October 2022. Replaced both main gear brake linings with new P/N: 066-10600 using new rivets. Serviced all tire pressures as needed. Performed engine ground run and operational inspection of aircraft and systems and no leaks or defects were noted at this time.

All work listed above was done I/AW Diamond Aircraft DA 40 Series Airplane Maintenance Manual and I/AW FAR 43.9. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.

Dale Murphy
Dale Murphy A&P 227863044IA

Classic Aviation, LLC
Shenandoah Valley Regional Airport
Weyers Cave, VA 24486

N171PS

W/O # 13112101

Date 11/21/2013 Hourmeter 2016.2 Tach 1577.3 ACTT _____

AIRFRAME LOG

Upgraded G1000 software from version 321.22 to version 321.23 and updated AFMS to 190-00492-01 in accordance with Garmin SB #1334 Rev. A. Ops check normal.

The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired and/or inspected in accordance with current Regulation of the Federal Aviation Agency and is approved for return to service for the work performed.

Signed *Dean Showalter*
Classic Aviation, LLC

Dean Showalter
A&P # 3126788

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT
 ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE NUMBER

N171PS

Classic Aviation, LLC
 Shenandoah Valley Regional Airport
 Weyers Cave, VA 24486

W/O # 12012001

Date 01/20/2012 Hourmeter 1795.8 Tach 1391.4 ACTT _____

AIRFRAME LOG

Activated Garmin G1000 synthetic vision and pathways in accordance with Garmin Service Bulletin, No. 0814, Revision A. Installed new SD supplemental data cards, P/N 010-00330-43. Installed new forward and aft door lock set, P/N 3802-0022.

The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired and/or inspected in accordance with current Regulation of the Federal Aviation Agency and is approved for return to service for the work performed.

Signed _____
 Classic Aviation, LLC

Steve Bradley
 A&P # 2772438

Date 5/1/2012 N# 171PS Tach: 149.1

Model GTX-33 S/N# 110306 Position 1
 Model _____ S/N _____ Position _____

I certify that the above transponder(s) has been tested as required by CFR 91.413 and CFR 43 Appendix F in IAW current Regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of this inspection are on file at this repair station under

W/O# R12050102 Date 5/1/2012
 Signed _____

Classic Aviation, LLC, Repair Station # C3VR730J
 Shenandoah Valley Regional Airport, Weyers Cave, VA 24486

Date 5/1/2012 N# 171PS Tach: 149.1

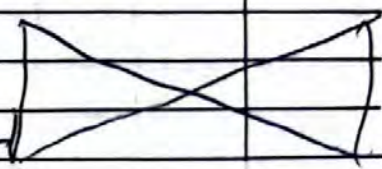
I certify that the static system, altimeter system and the automatic pressure altitude reporting system tests required by CFR 91.411 and CFR Part 43 Appendix E & F have been performed and is approved for return to service.

W/O# R12050102
 Left ALT Date 5/1/2012 20,000 Ft.
 Right ALT Date 5/1/2012 20,000 Ft.
 Signed _____

Classic Aviation, LLC, Repair Station # C3VR730J
 Shenandoah Valley Regional Airport, Weyers Cave, VA 24486

IFR Pitot-static certification expires on: May 31, 2014

DA-40 Maintenance Manual Chapter 27-20-00
with 3M Adhesive Sealant Fast Cure 4000. Airframe
Inspected. David Garvin ATP 3033332 David Darwin



N171PS

Classic Aviation, LLC
 Shenandoah Valley Regional Airport
 Weyers Cave, VA 24486

W/O # 12072001

Date 07/20/2012 Hourmeter 1872.9 Tach 1455.5 ACTT _____

AIRFRAME LOG

Replaced right main tire tube with new Michelin 15X6.0-6 air stop tube and serviced to 36 psi.

The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired and/or inspected in accordance with current Regulation of the Federal Aviation Agency and is approved for return to service for the work performed.

Signed _____
 Classic Aviation, LLC

Steve Bradley
 A&P # 2772438

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT

ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE NUMBER

MAKE: Diamond
MODEL: DA 40
S/N: 40 701
REG. NO: 171PS
WORK ORDER:
3943-10-2010



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 12/9/2010
AC TSN: 1195.2
TACH: 1195.2

Avionics Entries

(34) INSTALLED WAAS GPS SYSTEM WITH OUT VNAV. IAW GARMIN G1000/GFC700/WAAS FIELD UPDATE INSTRUCTIONS 190-00544-03 REV.1 GARMIN DWG. 005.00400-11 REV.4,-10 REV.7,-12 REV.3,-13 REV.1 AND POST INSTALL AND CHECK OUT INSTRUCTION 190-00544-02 REV.7. G1000 DA-40 SYSTEM SOFTWARE 0321.22 CONFIGURATION-1 INSTALLED. ALL GROUND AND FLIGHT CHECKS OK. REVISED P/O/H SUPPLEMENT 190-00492-10 REV.2 INSTALLED. UPDATED NAV DATA.

MAINTENANCE RELEASE: IN REFERENCE TO THE WORK PERFORMED, THIS AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER, AND / OR APPLIANCE WAS REPAIRED AND INSPECTED I.A.W. CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE. ALL WORK WAS PERFORMED IAW CURRENT APPLICABLE AIRCRAFT, ENGINE, OR APPLIANCE MAINTENANCE MANUALS AND INSTRUCTIONS. PERTINENT DETAILS ARE ON FILE AT THIS REPAIR STATION OFFICE.

SIGNED FOR PREMIER AIRCRAFT SERVICE, INC FAA REPAIR STATION # 9PRR402B

DATE: 12/9/2010

SIGNED: *Adrian Arias*
Adrian Arias

Work Order: 3943-10-2010

Printed by EBis 3 (datcomedia.com)

MAKE: Diamond
MODEL: DA 40
S/N: 40 701
REG. NO: 171PS
WORK ORDER:
4032-12-2010



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 12/10/2010
AC TSN: 1196.1
TACH: 1196.1

Airframe Entries

(3) BLEED BRAKE SYSTEM IAW DIAMOND DA40 M.M CHAPTER 32.... (4) REPLACED ATTACHING HARDWARE ON TRIM LEVER ARMS.... (6) INSTALLED NEW FUSELAGE STRIPES DECALS AND REGISTRATION DECALS.... (7) REPLACED RIGHT BRAKE CALIPER SCREW BLEEDER AND BLEEDER SEAT.... (8) C/W DIAMOND DA-40 MANDATORY 1000HR INSPECTION OF ESSENTIAL BUS IAW CH.4 AIRWORTHINESS LIMITATIONS.... (10) ADJUSTED FLOOD LIGHT KNOB AS REQUIRED.

MAINTENANCE RELEASE: IN REFERENCE TO THE WORK PERFORMED, THIS AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER, AND / OR APPLIANCE WAS REPAIRED AND INSPECTED I.A.W. CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE. ALL WORK WAS PERFORMED IAW CURRENT APPLICABLE AIRCRAFT, ENGINE, OR APPLIANCE MAINTENANCE MANUALS AND INSTRUCTIONS. PERTINENT DETAILS ARE ON FILE AT THIS REPAIR STATION OFFICE.

SIGNED FOR PREMIER AIRCRAFT SERVICE, INC FAA REPAIR STATION # 9PRR402B

DATE: 12/10/2010

SIGNED: *Adrian Arias*
Adrian Arias

Work Order: 4032-12-2010

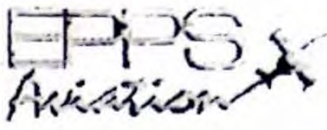
Printed by EBis 3 (datcomedia.com)

9-12-11
1740.7 Hobbs
Tach 1347.6

Replaced 066-10600 Pennings Right brake
Bled after new O-Ring seal installed in Caliper -
Aired both main tires -

Leather foyers
End
PR 244784716


AIR TIME AND



AIRCRAFT REG: N171PS DATE: 8/3/10
 MFG: Diamond WORK PACKAGE: P2614
 MODEL: DA 40 TACH TIME: 1161.6
 SERIAL: 40.701 AF TOTAL TIME: 1161.6
 HOUR METER: 1518.4 TOTAL CYCLES/LANDINGS: n/a

Removed propeller MTV-12-B sn 061096 and had repaired by Sensenich of Gainesville in Gainesville GA under work order 10.0542. Reinstalled same propeller after repairs.

The aircraft, airframe, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under work package no. P2614


Signed:  Steven Morgan
 for Epps Air Service, Inc., ESMR688D, 1 Aviation Way, Atlanta, GA 30341 Page of Pages



AIRCRAFT REG: N171PS DATE: 10/21/10
 MFG: Diamond WORK PACKAGE: P2764
 MODEL: DA 40 TACH TIME: 1190.4
 SERIAL: 40.701 AF TOTAL TIME: unknown
 HOUR METER: 1557.2 TOTAL CYCLES/LANDINGS: n/a

Repaired cap on axle that wheel part attaches to on right gear. Retorqued brake caliper back plate bolts and safety wired. Reattached top clip for brake line on right gear leg with epoxy.

The aircraft, airframe, engine, propeller or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under work package no. P2764

Signed:  Steven Morgan
 for Epps Air Service, Inc., ESMR688D, 1 Aviation Way, Atlanta, GA 30341 Page of Pages

MAKE: Diamond
 MODEL: DA 40
 S/N: 40.701
 REG. NO: 171PS
 WORK ORDER:
 3943-10-2010



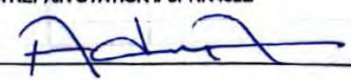
Premier Aircraft Service, Inc.
 5540 NW 23rd Avenue Hanger 14
 Fort Lauderdale, FL 33309
 Phone: (954) 334-2393

DATE: 12/9/2010
 A/C TSN: 1195.2
 TACH: 1195.2

Airframe Entries

(8) C/W ANNUAL INSPECTION ON THIS AIRFRAME IAW FAR 43 APPENDIX D USING DA40 M/M CH 5 INSPECTION CHECKLIST AS A GUIDE. C/W FAR 91.207 D ELT INSPECTION AND FUNCTIONAL CHECK. ELT BATTERY EXPIRATION DATE: NOV 2012. ADS CHECKED THROUGH 2010-21.... (12) REPLACED ELT BATTERIES WITH NEW D CELL DURACELL. EXP DATE 11-2012.... (13) C/W MSB40-067 EMERGENCY EXIT LEVER.... (14) COMPLIED WITH MSB40-070 PASSENGER DOOR RETAINING BRACKET.... (15) C/W CONTINUED AIRWORTHINESS REQUIREMENTS FOR AMSAFE SEATBELT INSTALLATION IAW AMSAFE M/M. TESTED SYSTEM WITH V23 DIAGNOSTIC TOOL. NO DEFECTS NOTED.... (17) COMPLIED WITH GARMIN REPLACEMENT OF 5 LIGHTNING PROTECTION SLOW BLOW FUSES IAW THE GARMIN G1000 AIRWORTHINESS LIMITATIONS SECTION 4.1... (18) COMPLIED WITH GARMIN GFC 700 FLAP IN MOTION INPUT VERIFICATION IAW GARMIN G1000 AIRWORTHINESS LIMITATIONS SECTION 4.1 ALL FLAP IN MOTION TEST OK... (19) REPLACED EMERGENCY BATTERY WITH P/N D60-2560-91-00. NEXT REPLACEMENT DUE: NOV 2012.... (20) CHANGED CORRODED HARDWARE ON LEFT AND RIGHT HAND WHEEL AXLE.... (22) REPLACED NUT AND WASHER ON LH AND RH FLAPS IN BOARD ATTACHING HARDWARE AND CLEANED AND TREATED BOLT.... (23) RE ATTACHED ALL BRAKE LINE CLIPS ON LEFT AND RIGHT LANDING GEAR LEGS.... (24) CLEANED AND TREATED ALL STATIC WICKS BASES.... (25) PERFORMED A CLASS 2 REPAIR ON AFT CABIN DOOR IAW DIAMOND M.M CHAPTER 51-20-00. OPS CHECKED GOOD.... (26) REPLACED HARDWARE IN TAIL SECTION THAT WAS RUSTED.... (27) REPLACED LH AND RH FUEL QTY PLACARDS WITH NEW P/N D41-1127-10-22-1... (28) ADJUSTED NOSE WHEEL STEERING FORK FRICTION IAW DA40 M/M.... (29) REPLACED BOTH LEFT AND RIGHT HAND WING WALKS WITH NEW.... (30) REPLACED LEFT AND RIGHT WING ROOT SEALS WITH NEW P/N 1110762... (39) REPLACED BATTERY TRAY COOLING HOSE P/N SCAT4.... (40) REPLACED ALTERNATOR COOLING HOSE P/N SCAT4.

MAINTENANCE RELEASE: IN REFERENCE TO THE WORK PERFORMED, THIS AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER, AND/OR APPLIANCE WAS REPAIRED AND INSPECTED IAW CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE. ALL WORK WAS PERFORMED IAW CURRENT APPLICABLE AIRCRAFT, ENGINE, OR APPLIANCE MAINTENANCE MANUALS AND INSTRUCTIONS. PERTINENT DETAILS ARE ON FILE AT THIS REPAIR STATION OFFICE.

SIGNED FOR PREMIER AIRCRAFT SERVICE, INC FAA REPAIR STATION # 9PRR402B
 DATE: 12/9/2010 SIGNED:  Adrian Arias Work Order: 3943-10-2010
 Printed by EBIS 3 (datcomedia.com)

ENGINEERING RECORD

A 18
9

LICENCE NUMBER

ENTRIES. DRAW

MAKE: Diamond
MODEL: DA 40
S/N: 40.701
REG. NO: 171PS
WORK ORDER:
3619-04-2010



Premier Aircraft Service, Inc.
Repair Station No. CRS # 9PRR402
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 5/5/2010
A/C TSN: 1130
TACH: 1130

Airframe Entries

(4) REPLACED NLG SHOCK DISCS WITH NEW P/N DA4-9032-23-01 IAW DA40 M/M CH 32-20-04.... (5) REPAIRED BATTERY COOLING DUCT AS REQUIRED AND RE INSTALLED.... (10) REMOVED SURFACE CORROSION FROM HARDWARE ON ENGINE AND ENGINE BAFFLE AS REQUIRED.... (11) REMOVED SURFACE CORROSION FROM ALL WING ACCESS PANELS, TREATED, PAINTED AND RE INSTALLED.... (12) REPAIRED SURFACE SCRATCH ON FUSELAGE, TOP SIDE OF LEFT CABIN STEP. TREATED AND PAINTED AS REQUIRED.... (13) REMOVED SURFACE CORROSION FROM LEFT AND RIGHT FLAP BALANCE WEIGHT BRACKETS, TREATED AND PAINTED AS REQUIRED.... (15) REPLACED LEFT AND RIGHT BRAKE LININGS WITH NEW P/N 066-141 IAW DA40 M/M CH 32-40-00.... (20) C/W AD 2008-02-06 INSPECTION OF GSM 85 GEARBOXES FOR F.O.D. NO DEFECTS NOTED, NO FURTHER ACTION REQUIRED.... (22) REPLACED LEFT AND RIGHT AILERON AND FLAP PUSH TUBE ROD END BOLTS AND ATTACHING HARDWARE WITH NEW AND TREATED WITH ANTI CORROSION.... (24) REPLACED EXHAUST TAIL PIPE RUBBER HANGER WITH NEW.... (25) C/W GARMIN MSB 0919 SOFTWARE UPGRADE FROM 0321.19 TO VERSION 0321.22 FIELD UPGRADE. CONFIGURATION 1 INSTALLED. ALL G1000 FUNCTIONS GROUND CHECKED NORM. P/O/H SUPPLEMENT REVISED.... (26) RESEALED CABIN WINDOWS AS REQUIRED

MAINTENANCE RELEASE: IN REFERENCE TO THE WORK PERFORMED, THIS AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER, AND/OR APPLIANCE WAS REPAIRED AND INSPECTED I.A.W. CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE. ALL WORK WAS PERFORMED IAW CURRENT APPLICABLE AIRCRAFT, ENGINE, OR APPLIANCE MAINTENANCE MANUALS AND INSTRUCTIONS. PERTINENT DETAILS ARE ON FILE AT THIS REPAIR STATION OFFICE

DATE: 5/5/2010

SIGNED:

Work Order: 3619-04-2010

JONATHAN RANNEY
Certified Repair Station No. CRS # 9PRR402

Printed by EBis 3 (datamedia.com)



Aircraft Reg: N171PS Date: 5/13/2010
Manufacturer: DIAMOND
Model: DA40 Work Package Number:
Serial Number: 40.701 A3628
Hobbs / Tach: 1484.6 Total Time:

DESCRIPTION OF WORK COMPLETED:

UPDATED TERRAIN DATABASE ON G1000 SYSTEM TO CYCLE 08T2. UNLOCKED TAWS OPTION WITH NEW UNLOCK CARD. GROUND OPS CHECK GOOD IAW DIAMOND G1000 LMM.

The aircraft, airframe, engine, propeller or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

Pertinent details of this repair are on file at this repair station under work package No. A3628.

Signed:

Mark C. Ricker

For Epps Air Service, Inc. FAA CRS #
ESMR688D, 1 Aviation Way, Atlanta, GA 30341

BRO
FOR

PrimePlanes Aircraft Services Inc.

240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005



REG. **N171PS** TYPE **DA-40** TACH **1050.3** ACT **1050.3**

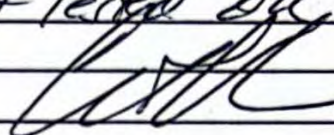
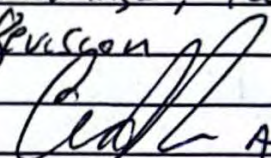
C/W an Electrical Bonding Inspection IAW Diamond MM Chap 51-80-00. All readings within specs. R/R right outboard static wick p/n D/G16630, Repaired broken ground wire under rear seat, corrected poor bonding on pilot side step. Aircraft ground run and ops checks OK.

Signature

Date

12/22/2009

Paul Krystaszek A&P 3062365

| | | | | |
|---------------|--------|----|---------|---|
| 4/28/2010 | 1074.3 | | | R/R Fuel Pump P/N 5100-00-9 S/N ON: 6512A OF 6120 Bled lines + Tested OK  AP391787014 |
| March 2, 2010 | 1109.6 | | | Reinstalled wheel fairings, c/w Weight + Balance Revision  AP391787014 |
| | | CG | 98.35 | |
| | | UL | 864.17 | |
| | | EW | 1781.83 | |

LOGBOOK ENTRY: DA 40 S/N 40.701 N171PS A/CTT: 1130.0
THE STATIC PRESSURE SYSTEM, TRANSPONDER WITH ALTITUDE REPORTING WAS IDENTIFIED TESTED AND INSPECTED I/A/W FAR43 APPENDIX E, PAR A & C, APPENDIX F (FAR91.413) AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THIS TEST IS ON FILE AT THIS REPAIR STATION UNDER W.O. 9672 DATE MAY 4, 2010

SIGNATURE Mark B. Alessandro INSP. (MBO)

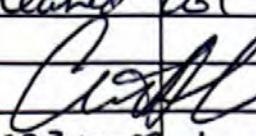
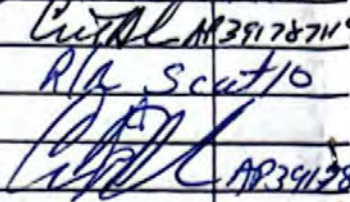
**TROPIC RADIO INC. 2695 N.W. 56th ST. HANGER 53-A
FT. LAUDERDALE FL. 33309 FAA APPROVED REPAIR STATION # RZ4R510M
FT. LAUDERDALE EXECUTIVE AIRPORT * ARCHER RAMP *
TELEPHONE # 954-776-4030 WWW.TROPICRADIO.COM**

GTX 33 S/N
GDC 74 S/N 47807027

CERTIFICATION EXPIRES ON MAY 31, 2012

ENGINEERING RECORD

A16
8

| ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS. | SIGNATURE | LICENCE NUMBER |
|---|---|--------------------------|
| Mar 5, 09 Tach: 840.8 Oiled brakes, cleaned rgt probe #4 |  | AP39178714 |
| 5/5/09 888.2 5/28 894.4 R/R NLG tube, PIN D41-3223-10-09-1 Removal + Change Battery, R/R Scot 10 duct to exhaust shroud |  | AP39178714 AP39178714 |

Primeplanes Aircraft Services Inc.

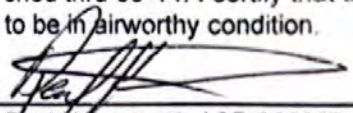
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005



REG. N171PS TYPE DA-40 TACH 927.7 ACTT 927.7

C/W a 100 hr inspection IAW FAR 43 app D. Cleaned, prepped and painted corroded areas on left main landing gear. R/R right main tire. Cleaned and lubed all wheel bearings, lubed all flight control pivot points. AD's researched thru 09-14. I certify that this airframe has been inspected IAW a 100 hr inspection and determined to be in airworthy condition.

Signature



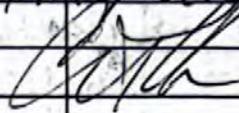
Paul Krystaszek A&P 3062365

Date

7/28/2009

11/24/09 1016.0

R/R Left main tire, serviced bearings

 AP39178714

Primeplanes Aircraft Services Inc.

240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005

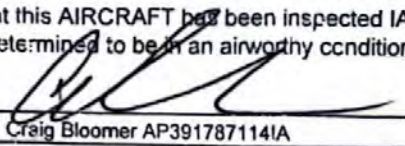


REG. N171PS TYPE DA 40 XL TACH 1028.1 TT 1028.1

Annual inspection completed IAW FAR 43 app D, AD's researched thru 09-24, 09-07-14 P/C/W on 1/9/09 IAW MSB 40-060, 09-10-04 P/C/W on 5/5/09 NLG tube replaced and no longer repetitive, c/w ICAW on Powerflow exhaust system, ELT tested IAW FAR 91.207d, bat due R/R in Dec 2010, r/r nose tire, serviced all bearings and lube points, r/r ground straps to both flap rods, r/r DA4-5183 tail skid plate,

I certify that this AIRCRAFT has been inspected IAW an ANNUAL/100 hr. inspection and was determined to be in an airworthy condition.

Signature



Craig Bloomer AP391787114/A

Date

4-Dec-2009

A15

AIR TIME AND

| DATE | DAILY TOTAL | | TOTAL AIR TIME SINCE MFG. | | ENGINEERING RECORD <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small> |
|-----------------|-------------|------|---------------------------|------|--|
| | HRS. | MIN. | HRS. | MIN. | |
| BROUGHT FORWARD | | | | | |

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 240 Aviation Drive North Suite 102
 Naples, Florida 34104 ph. 239-659-4005



REG. **N171PS** TYPE **DA-40** TACH **803.7** ACTT **803.7**

C/W Diamond MSB-40-054, MSB-F4-013.

Signature *Peter D Brake* Date **1/28/2009**
 Peter D Brake A&P 3059360

Primeplanes Aircraft Services Inc.
 240 Aviation Drive North Suite 102
 Naples, Florida 34104 ph. 239-659-4005



REG. **N171PS** TYPE **DA-40** TACH **812.6** ACTT **812.6**


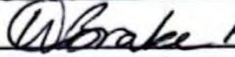
R/R L/H main tire P/N 15 x 6.00-6. R/R Nose tire P/N 5.00 x 5. Serviced to specs. Ops check good.

Signature *Peter D Brake* Date **2/18/2009**
 Peter D Brake A&P 3059360


| | | |
|---|-----------------|--|
| 2/18/2009 | TT 812.6 | R/R Brake Linings on Left Main w/ 066-14100 Linings. |
| | | <i>[Signature]</i> ATP 3062365 |
| Feb 26, 2009 Tach: 827.7 AT Bat: Dec 2010 9/4/11/4/2: Aug 2016 | | On an Annual inspection saw FAR 43 app'd, AD's resolved thru 09-02, 9w 07-17-06 by inspection Next-1022. R/R Hardware on elev. Counter weight & Aileron & flap hinges, R/R Nose wheel race & bearing (1 ea), R/R 066-14100 lining on R/L wheel, Ground Run OK, adjusted mixture to spec. I certify that this Aircraft has been inspected saw an Annual Inspection and determined to be in an Airworthy condition. |
| | CARRIED FORWARD | <i>[Signature]</i> AP59178 7118/FA |

ENGINEERING RECORD

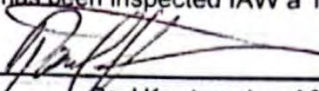
A 14
7

| INSPECTION, REPAIRS & REPLACEMENT ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS. | SIGNATURE | LICENCE NUMBER |
|--|-----------|----------------|
| Nov 11 2008 R+R RH Tire P/N 15-6x6.00 TT 710.0 Serviced to 36 PSI <div style="text-align: right; margin-top: 10px;">  A+P 3059360 </div> | | |
| Nov 11 2008 TT 710.0 R+R Stall horn P/N 0713348-1 Ops Check good <div style="text-align: right; margin-top: 10px;">  A+P 3059360 </div> | | |

Primeplanes Aircraft Services Inc.
 240 Aviation Drive North Suite 102
 Naples, Florida 34104 ph. 239-659-4005



REG. N171PS TYPE DA-40 TACH 727.7 ACTT 727.7
 C/W a 100 hr inspection IAW FAR 43 app D. R/R right main tire with 15-6x6.00 Re-tread, cleaned and lubed all wheel bearings. R/R emergency battery p/n D60-2560-91-00. AD's researched thru 08-22. I certify that this airframe has been inspected IAW a 100 hr inspection and determined to be in airworthy condition.

Signature  Date 12/1/2008
 Paul Krystaszek A&P 3062365

Primeplanes Aircraft Services Inc.
 240 Aviation Drive North Suite 102
 Naples, Florida 34104 ph. 239-659-4005



REG. 171PS TYPE DA-40 TACH 770.6 ACTT 770.6
 R/R ELT batteries Next due December 2010.

Signature  Date 12/30/2008
 Paul Krystaszek A&P 3062365

Primeplanes Aircraft Services Inc.
 240 Aviation Drive North Suite 102
 Naples, Florida 34104 ph. 239-659-4005



REG. N171PS TYPE DA-40 TACH 786.9 ACTT 786.9
 C/W Diamond MSB-40-060. Discrepancies found to be within limits per MSB-40-060. No further action required.

Signature  Date 1/9/2009
 Peter D Brake A&P 3059360


A13

AIR TIME AND

| DATE | DAILY TOTAL | | TOTAL AIR TIME SINCE MFG. | | ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE |
|------|-------------|------|---------------------------|------|---|
| | HRS. | MIN. | HRS. | MIN. | |

BROUGHT FORWARD

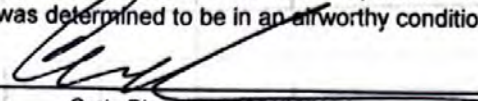
Primeplanes Aircraft Services Inc.
 240 Aviation Drive North Suite 102
 Naples, Florida 34104 ph. 239-659-4005



REG. **N171PS** TYPE **IO 360** TACH **532.8** TSN **532.8**

100 hour inspection completed IAW FAR 43 app D, drained oil, r/r and inspected filter, serviced with 7 qts. 15 W 50, comp: 78 76 74 76 over 80, plugs, timing, idle, mixture OK, c/w AD 02-26-01 next due 632.8 or MX, prop reinstalled and torqued/saftied, ground run OK.

I certify that this ENGINE has been inspected IAW a 100 hr. inspection and was determined to be in an airworthy condition.

Signature  Date **23-Jun-2008**
 Craig Bloomer AP391787114

| | | | | |
|---------------|-------|--|-----|---|
| July 21, 2008 | | | R/R | right main tire + tube 15-6x6.00. |
| ✓ TT 556.1 | | | | |
| | | | | |
| | | | | |
| 8/5/08 | 556.8 | | | Removed Rudder trim tabs, removed surface corrosion, treated, primed and painted, reinstalled in original configuration |
| | | | | |
| | | | | |
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Primeplanes Aircraft Services Inc.
 240 Aviation Drive North Suite 102
 Naples, Florida 34104 ph. 239-659-4005





REG. **N171PS** TYPE **DA-40** TACH **629.1** ACTT **629.1**

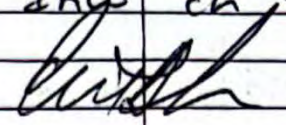
C/W a 100 hr inspection IAW FAR 43 app D. R/R forward canopy lock, R/R left main tire. Cleaned and lubed all wheel bearings. Lubed rudder bearings. C/W AD 07-17-06 nose gear leg inspection. AD's researched thru 08-18. I certify that this airframe has been inspected IAW a 100hr inspection and determined to be in airworthy condition.

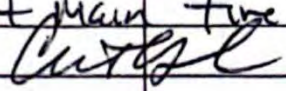
Signature  Date **9/11/2008**
 Paul Krystaszek A&P 3062365

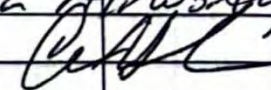
CARRIED FORWARD


ENGINEERING RECORD

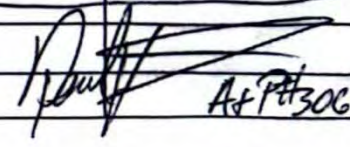
| | | | | |
|--|-----------|--|--------------|----------------|
| Primeplanes Aircraft Services Inc. 240 Aviation Drive North Suite 102 Naples, Florida 34104 ph. 239-659-4005 | |  | | DENCE IMBER |
| REG. N171PS | TYPE DA40 | TACH 379.7 | ACT TT 379.7 | |
| C/W Garmin 8B0738 Rev B, Inspected all TVS installations, R/R battery and alternator TVS behind panel, R/R AHRS, GIA #1 and #2 TVS on radio rack, R/R fuse for GIA #2. | | | | |
| Signature  Craig Bloomer AP391787114 | | Date 3/4/08 | | |

Mar 26, 08
TT 391.7
Repaired 1 inch damage to rudder FAW
DA 40 m/m ch 51, Class 2 type,
Balance check OK FAW ch 51-60
 AP391787114

April 14, 08 TT 431.7 R/R Left main tire
 AP391787114

April 18, 08
TT 436.1
Annual Inspection Completed, FAW
FAR 43 app D, AD's researched thru
08-08, C/W AD 07-17-06 FAW MSD4004611
found OK Next Due 4/09 or 636.1, ELT tested
FAW FAR 91-237d Bat due Dec 08, R/R Left &
Right brake linings, I certify that this aircraft
was inspected FAW an Annual Inspection and
determined to be in an Airworthy condition
 AP391787114

April 23, 08
TT 442.5
R/R Pilot side window latch
PIN 3062365
 AP391787114

May 15, 2008
TT 484.5
R/R right main tire w/ Condor
15-6x6.00. Inspected brakes + bearings.
Check OK
 AP391787114

A110

AIR TIME AND

| DATE | DAILY TOTAL | | TOTAL AIR TIME SINCE MFG. | | ENGINEERING RECORD <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small> |
|-----------------|-------------|------|---------------------------|------|---|
| | HRS. | MIN. | HRS. | MIN. | |
| BROUGHT FORWARD | | | | | |
| Jan 21, 08 | 334.9 | | | | R/R Fuel pump P/N 5100-00-9 S/N ON: 6190 S/N OFF: 6201 <i>[Signature]</i> AP391287114 |
| Jan 21, 08 | 334.9 | | | | 100 hr Inspection c/w IAW FAR 43 app D, Serviced wheel Bearings, Rudder bearing inspection ok. Wheel fairings removed and w + B updated New EW: 1773.33 CG: 98.41, C/w Garmin SB 0738RB T/S Inspection R/R All 7 T/S assys, AD list is current thru 07-2. I certify that this aircraft was inspected and determined to be in an airworthy condition <i>[Signature]</i> Craig Bloomer AP391287114 |
| Feb 5, 08 | 350.1 | | | | R/R Vent window latch P/N 301.25.442 <i>[Signature]</i> Craig Bloomer AP391287114 |

PrimePlanes Aircraft Services Inc.
 240 Aviation Drive North Suite 102
 Naples, Florida 34104 ph. 239-659-4005



REG. **N171PS** TYPE **DA-40** TACH **357.3** ACTT **357.3**
 C/W G1000 Phase 6-1 software upgrade. G1000 software upgraded to version 369.13. Boot blocker
 upgraded to version 2.05. All work performed IAW Field Update Instructions 190-00544-03.

Signature *[Signature]* Date **2/15/2008**
 Paul Krystaszek A&P 3062365

CARRIED FORWARD

A9 7

AIR TIME AND

A & M Maintenance Services, Inc. - IC5
Clow International Airport, Bolingbrook, IL.

FOR COMPLETE

TYPE: DIAMOND DA-40XL
"N" #: N 171PS
DATE: 10/04/2007

TACH TIME: 233.2 Hrs.
AIRFRAME TT: 233.2 Hrs.

At this time the right-hand main tire, Condor 15x6.0-6/6/120 P/N 072-449-0, and inner tube, Goodyear G15/6.00-6 P/N 302246401, were replaced.

END

Adam J. Cote
Adam J. Cote
AP 3035886

A & M Maintenance Services, Inc. - IC5
Clow International Airport, Bolingbrook, IL.

TYPE: DIAMOND DA-40
"N" #: N 171PS
DATE: 10/19/2007

TACH TIME: 237.6 Hrs.
AIRFRAME TT: 237.6 Hrs.

At this time, the aircraft was inspected in accordance with a 100HOUR/ANNUAL INSPECTION per Diamond Service Manuals. The LH wheel bearings were removed, cleaned, inspected, greased, and reinstalled. The RH wheel bearings were replaced 2ea P/N: 13836*2-629 & 2ea P/N: 13889*2-629. The RH tire was replaced with a Michelin 15x600-6ply tire P/N: 072-449-0. The nose wheel assembly was replaced P/N: 40-77. The nose gear fork assembly was replaced P/N: D41-3233-30-51 - LH arm, P/N: D41-3233-30-52 - RH arm, P/N: D41-3223-00-51 - stop sheet, P/N: D41-3223-00-32-1 - axle, 2ea P/N: D41-3223-00-30 - bushing, P/N: D41-3223-40-00 - bolt, and P/N: DIN985-M12-A2 - nut. The nose fork tension was adjusted as needed. The induction air filter was cleaned, oiled, and reinstalled. The lower cowl was painted as needed. The fuel strainer was removed, cleaned, inspected, and reinstalled with a new o-ring P/N: GA735. The RH wing was removed, the fuel sender was removed, and the threads were cleaned, sealed and reinstalled. The RH lower wing was touched up and the RH wing was reinstalled with one new outboard main bolt spacer rod P/N: DA4-5700-00-70. The RH fuel drain o-rings were replaced. The rudder hinge and "S"-slides were lubed. The rudder cable tension was checked - no adjustment needed. The trim tab friction was adjusted as needed. The canopy window vent window seals were replaced P/N: 512AF. The aircraft battery was charged, and the aircraft lights were checked. The ACK Technologies ELT E-01 S/N: 056142 was inspected and tested in accordance with FAR 91.207 (d) (1-4). **The ELT BATTERY is due for replacement in 12/2008.** ----- CONTINUED

CARRIED FORWARD

ENGINEERING RECORD

A8
4

| INSPECTION, REPAIRS & REPLACEMENT <small>ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.</small> | SIGNATURE | LICENCE NUMBER |
|--|-----------|-------------------|
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A & M Maintenance Services, Inc. - 1C5
Clow International Airport, Bolingbrook, IL.

| | |
|---------------------|-------------------------|
| TYPE: DIAMOND DA-40 | TACH TIME: 137.3 Hrs. |
| "N" #: N 171PS | AIRFRAME TT: 137.3 Hrs. |
| DATE: 06/22/2007 | |

AD2007-11-21, effective 07/09/2007, on abnormal manufacturing variations of the universal joints in combination with mechanical wear can lead to a joint failure and subsequent disconnection between selector and the fuel valve, is due every 1000hours.

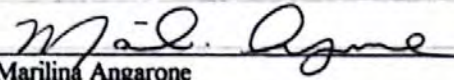
AD2006-23-04, effective 11/28/2006, intended to address the unsafe condition described in the MCAI, does not apply because aircraft has more than 50 Time in Service.

AD 93-05-06, effective 4/29/1993, on ignition switch is due at 2000 hours time in service. All AD's checked thru BI-weekly 2007-12.

MSB 40-046/1, on nose gear leg was complied with by inspection, no defects noted at this time, the next compliance is due in 200 hours at a total time of 337.3 hours.

-----END-----

I certify this aircraft has been inspected in accordance with an ANNUAL INSPECTION and found to be in an airworthy condition.

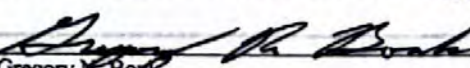

Marilina Angarone
AP 344688075 IA

A & M Maintenance Services, Inc. - 1C5
Clow International Airport, Bolingbrook, IL.

| | |
|---------------------|-------------------------|
| TYPE: DIAMOND DA-40 | TACH TIME: 207.2 Hrs. |
| "N" #: N 171PS | AIRFRAME TT: 207.2 Hrs. |
| DATE: 09/19/2007 | |

At this time, the forward left navigation light bulb was replaced, PN 34-0428020-65.

-----END-----


Gregory N. Book
AP 2683106

A7 5

AIR TIME AND

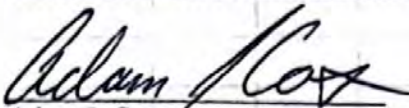
A & M Maintenance Services, Inc. - IC5
Clow International Airport, Bolingbrook, IL.

TYPE: DIAMOND DA-40XL
"N" #: N 171PS
DATE: 06/08/2007

TACH TIME: 131.4 Hrs.
AIRFRAME TT: 131.4 Hrs.

At this time the left-hand brake linings were replaced, P/N 066-10600.

END



Adam J. Cote
AP 3035886

A & M Maintenance Services, Inc. - IC5
Clow International Airport, Bolingbrook, IL.

TYPE: DIAMOND DA-40
"N" #: N 171PS
DATE: 06/22/2007

TACH TIME: 137.3 Hrs.
AIRFRAME TT: 137.3 Hrs.

At this time, the aircraft was inspected in accordance with a 100HOUR/ANNUAL INSPECTION per Diamond Service Manuals. The LH wheel bearings were removed, cleaned, inspected, greased, and reinstalled. The RH wheel bearings were replaced 2ea P/N: 13836*2-629 & 2ea P/N: 13889*2-629. One set of nose wheel bearings were replaced 1ea P/N: 08125*2-629 & 1ea P/N: 08231*2-629. The brake linings were replaced 4ea P/N: 066-14100. The induction air filter was cleaned, oiled, and reinstalled. The nose fork tension was adjusted as needed. The exhaust strap was replaced. The fuel strainer was removed, cleaned, inspected, and reinstalled with a new o-ring P/N: GA735. The rudder hinge and "S"-slides were lubed. The rudder cable tension was checked - no adjustment needed. The trim tab friction was adjusted as needed. The transponder antenna was replaced P/N: CI-105 S/N: 32720. The Comm 1 antenna was replaced P/N: DMC63-1-A S/N: 418717. The aircraft battery was charged, and the aircraft lights were checked. The ACK Technologies ELT E-01 S/N: 056142 was inspected and tested in accordance with FAR 91.207 (d) (1-4). The **ELT BATTERY** is due for replacement in **12/2008**.

CONTINUED

J.A. AIR CENTER

DuPage Airport • West Chicago, IL 60185
FAA Repair Station #NF2R029L

Type DA40
S/N 40.701
N# 171PS

Description of work done:

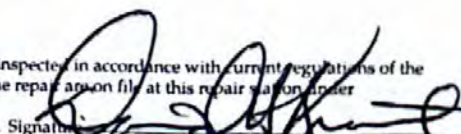
AIRFRAME LOG ENTRY

Removed defective Garmin GRS77 part #011-00868-10 serial #42001858 and installed factory exchange Garmin GRS77 part #011-00868-00 serial #47405678. Factory 8130-3 tracking number #562697. Final tests ok.

MAINTENANCE RELEASE

The aircraft, airframe, engine, appliance, or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this repair station.

WO 212865 Date 5Sep07 Tach/Hrs xx 0188.7



Inspector (print) David H. Krant

AIR TIME AND

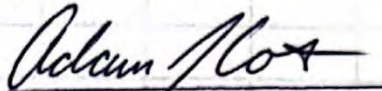
A & M Maintenance Services, Inc. - 1C5
Clow International Airport, Bolingbrook, IL.

TYPE: DIAMOND DA-40XL
"N" #: N 171PS
DATE: 12/20/2006

TACH TIME: 48.6 Hrs.
AIRFRAME TT: 48.6 Hrs.

At this time the right-hand main tire inner tube was replaced, Goodyear G15/6.00-6 P/N 302246401. The right-hand wheel bearings were cleaned and greased.

END



Adam J. Cote
AP 3035886

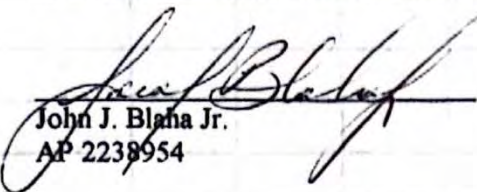
A & M Maintenance Services, Inc. - 1C5
Clow International Airport, Bolingbrook, IL.

TYPE: DIAMOND DA-40XL
"N" #: N 171PS
DATE: 02/08/2007

TACH TIME: 61.3 Hrs.
AIRFRAME TT: 61.3 Hrs.

At this time, the Pilot and Co-Pilot seat belts were removed and replaced with AMSAFE Aviation Inflatable Restraint (AAIR) System, V23 Three-Point Restraint with Dual Sensor EMA Version in accordance with STC# SA01918LA, dated 09/28/2006. See Form 337 and Weight & Balance forms on this date. See Continued Airworthiness Instructions in aircraft records.

END



John J. Blaha Jr.
AP 2238954


A & M Maintenance Services, Inc. - 1C5
Clow International Airport, Bolingbrook, IL.

TYPE: DIAMOND DA-40XL
"N" #: N 171PS
DATE: 02/14/2007

TACH TIME: 61.3 Hrs.
AIRFRAME TT: 61.3 Hrs.

At this time, both the forward and the aft cabin door lock cylinders were replaced, 2 ea. PN 3802-0022.

END



Gregory N. Bonk
AP 2683106

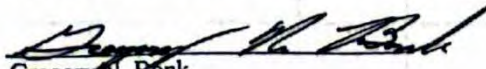
A & M Maintenance Services, Inc. - 1C5
Clow International Airport, Bolingbrook, IL.

TYPE: DIAMOND DA-40XL
"N" #: N 171PS
DATE: 02/20/2007

TACH TIME: 62.6 Hrs.
AIRFRAME TT: 62.6 Hrs.

At this time, the right hand window latch was replaced, PN 301-25-4110.

END



Gregory N. Bonk
AP 2683106

A3
3

AIR TIME AND

ENGINEERING RECORD

NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE

| DATE | DAILY TOTAL | | TOTAL AIR TIME SINCE MFG. | |
|------------------------|---------------|------|---------------------------|------|
| | HRS. | MIN. | HRS. | MIN. |
| BROUGHT FORWARD | | | 4. | 0 |
| <i>October 5, 2006</i> | <i>TACH :</i> | | | |
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05 October, 2006 S/N: 40.701 Reg. #: N171PS
WO#: RO-06-260 Tach: 4.0 hrs.

The following work has been carried out

Installation of 12 Volt auxiliary power carried out I.A.W. OAM 40-259 and Approved Dwg. No. DA4-3144-21-00 REV. A and Dwg. No. DA4-3144-22-00 Rev. C.

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

DIAMOND AIRCRAFT INDUSTRIES D.O.T. APPROVAL #161-93

Signature *[Signature]* Lic or Stamp



A & M Maintenance Services, Inc. - 1CS
Clow International Airport, Bolingbrook, IL.

TYPE: DIAMOND DA-40XL
"N" #: N 171PS
DATE: 10/20/2006

TACH TIME: 11.1 Hrs.
AIRFRAME TT: 11.1 Hrs.

At this time the wheel fairings were removed and the weight and balance was revised dated 10/20/2006. When the wheel fairings a reinstalled, revert back to weight and balance dated 09/25/2006.

-----END-----

[Signature]
Adam J. Cote
AP 3035886

A & M Maintenance Services, Inc. - 1CS
Clow International Airport, Bolingbrook, IL.

TYPE: DIAMOND DA-40XL
"N" #: N 171PS
DATE: 11/14/2006

TACH TIME: 26.8 Hrs.
AIRFRAME TT: 26.8 Hrs.

At this time a Tanis heater system, TAS100- 03 W/OPT. TAS104 S/N 39358, was installed in accordance with Tanis Aircraft Services instructions and drawing No. 100A. The weight and balance was revised to reflect this installation, dated 11/14/2006.

-----END-----

[Signature]
Adam J. Cote
AP 3035886

CARRIED FORWARD

ENGINEERING RECORD

A2
1

| INSPECTION, REPAIRS & REPLACEMENT <small>ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.</small> | SIGNATURE | LICENCE NUMBER |
|--|-----------|----------------|
| MTV-12-B/183-596 INSTALLED AS PER TCCA STC NO. SA06-52, GARMIN G1000 | | |
| SA01254WI AMEND. 1, GARMIN OFC 700 AUTOMATIC FLIGHT CONTROL SYSTEM | | |
| ADVISORY SYSTEM (TAS) INSTALLED AS PER FAA STC NO. SA02266NY, POWER | | DA Q 42 |
| FAA STC No. SA03281AT | | |
| Diamond | | |
| I certify that the Static Pressure system has been inspected and tested in accordance with Standard 571, Appendix B of the Airworthiness Manual, and F.A.R. 91:411 | | |
| DATE | INSPECTOR | DA Q 42 |
| 27 September 2006 | | |

Diamond

The ELT was tested and inspected in accordance with Standard 571, Appendix G of the Airworthiness Manual and F.A.R. 91:207(d)

ELT ANNUAL INSPECTION DUE: SEPTEMBER 2007

BATTERY DUE: DECEMBER 2008

DATE: 27 September, 2006

INSPECTOR: DA Q 42

Diamond

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

THIS AIRCRAFT WAS INSPECTED FOR CONFORMITY TO APPLICABLE COMPANY RELEASED DOCUMENTS (DRAWINGS, SPECIFICATIONS, CONCESSIONS) AND IS SERVICEABLE.

DATE: 27 September, 2006

INSPECTOR: DA Q 42

| | | |
|--|--|---------|
| | | DA Q 42 |
| | | DA Q 42 |
| | | DA Q 42 |
| | | DA Q 42 |
| | | DA Q 42 |
| | | DA Q 42 |

Diamond

U.S. Standard Airworthiness Certificate, issued:

(Date) SEP 30 2006, has been installed in the aircraft on behalf of NE-MIDO-46 on:

(Date) SEP 30 2006

(Print) R. Seltan (Signature)



A1

AIR TIME AND

| DATE | DAILY TOTAL | | TOTAL AIR TIME SINCE MFG. | | ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPL. |
|-----------------|-------------|------|---------------------------|------|---|
| | HRS. | MIN. | HRS. | MIN. | |
| BROUGHT FORWARD | 0 | 0 | 0 | 0 | AIRCRAFT NEW WITH MT-PROPELLER ENTWICKLUNG GmbH MODEL NO. |
| | | | | | INTEGRATED AVIONICS SYSTEM INSTALLED AS PER FAA STC NO. |
| | | | | | INSTALLED AS PER FAA STC NO. SA01389WJ, RYAN 9900BX TRAFFIC |
| | | | | | FLOW SYSTEMS INC. TUNED EXHAUST SYSTEM INSTALLED AS PER |



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



I certify that the ATC Transponder & Altitude Reporting System(s) have been tested in Accordance with Standard 571, Appendix F F.A.R. 91:217: & F.A.R. 91:413.

SERIAL NUMBER

REGISTRATION MARK

DATE

INSPECTOR

40.701

N171PS

27 September, 2006

DA
Q 42



26 September 2006 S/N 40.701
COMPASS DEVIATION, ALL ELECTRICS ON



INDEPENDENT CHECK OF FLIGHT AND POWERPLANT CONTROLS

| | | | | | | |
|-------|-----|-----|-----|-----|-----|-----|
| FOR | N | 30 | 60 | E | 120 | 150 |
| STEER | 360 | 030 | 060 | 090 | 120 | 150 |
| FOR | S | 210 | 240 | W | 300 | 330 |
| STEER | 180 | 210 | 240 | 270 | 301 | 331 |

DATE

INSPECTOR

27 September, 2006

DA
Q 5

Mike Turkey

| | | | | | |
|--------------|---|---|----|---|---------------------------------|
| SEPT 27 2006 | 0 | 0 | 0 | 0 | AIRCRAFT SERVICEABLE FOR FLIGHT |
| SEPT 27 2006 | | | 0. | 6 | |
| SEPT 28 2006 | | | 0. | 6 | AIRCRAFT SERVICEABLE FOR FLIGHT |
| SEPT 28 2006 | | | 2. | 5 | |
| SEPT 28 2006 | | | 4. | 0 | |
| SEPT 29 2006 | | | 4. | 0 | ALL DISCREPANCIES RECTIFIED |



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

I HEREBY CERTIFY THAT THIS AIRCRAFT CONFORMS TO THE APPROVED TYPE DESIGN DATA AND IS IN A FIT AND SAFE STATE FOR FLIGHT.

DATE

INSPECTOR

SEP 29 2006

DA
Q 42

4. 0

CARRIED FORWARD

AC

Cover

AIRCRAFT

1. Nationality and Registration

N171PS

2. Manufacturer's Designation

DA 40

3. Manufacturer's Serial Number

40.701

4. Type Approval or Specification Number

A-224/A47CE

5. Date of Manufacture

SERIAL NUMBER

40.701

6. Aircraft Inspection Cycle

**THIS AIRCRAFT IS A
2007 MODEL YEAR AIRCRAFT**

Signature

 **Diamond.**
AIRCRAFT