

Dear Steve and Tracy, please pass this letter on to the rest of the Church on our behalf! Thanks so much for your part!

Dearest Brothers and Sisters at Immanuel Bible Church,

Greetings in Jesus's Name!

As we live life getting to know Jesus more and more we are learning to be thankful for the time that He gives us to be involved here at ETHNOS360 AVIATION, and for the time we get to have together with our aging parents.

Time seems to fly by and that is a fact now as you grow older and experience it for yourself. But the fact that you both keep being so faithful to us in our ministry isn't taken for granted! Kim and I are doing well and are so thankful to the Lord for dear friends and family like you who do have such a vital part in the privilege of being used of the Master builder as He builds His church around the 'Uttermost Parts' of the world and give so unconditionally! You are such a blessing to us, and we desire for you to know that!

Right now, we are trying to kill two birds with one stone by asking an FAA designated inspector to come and write out an Airworthiness Certificate for the Black Helicopter that the mission purchased from 'ZK' New Zealand; the helicopter that we did a 12Yr/2000 hour Inspection on and used for our training purposes and is ready for service, but needs to have a US 'Certificate of Airworthiness' that has to be issued from the FAA. It is totally amazing what a little piece of paper's worth can be. Even though we did all the work and the bookwork and the logbook entries and all the needed paperwork ourselves; the ship still needs that paper to be legal in country. Our government doesn't seem to be that different from any third world country right now! The other "bird" to kill is that we also need an 'Export Certificate of Airworthiness' issued for the Brazil Helicopter before it can be flown to Brazil to replace the damaged R66 that got destroyed from the windstorm and hangar collapsing on it.

Hope you have a great summer together and get to have some good, deserved time together with family!

I love you all and am so proud of being on your team!

Thank you for your faithfulness, love, prayers, and support!

Your Coworkers,

Lorenzo & Kim Dye

PS. The attached is just a logbook entry but signifies a lot of work, parts ordered, and time spent!



HELICOPTER COMPANY

2901 Airport Drive, Torrance, California 90505

## R66 AIRFRAME MAINTENANCE RECORD

Phone (310) 539-0508 Fax (310) 539-5198

## SECTION 9

ETHNOS360  
AVIATIONSerial Number  
0384

Date

6/20/2022

Aircraft Registration: N925LN S/N: 0384

6/20/2022

W/O: E360A01366/E360A01388

Aircraft Model: RHC R66

Hobbs: 1991.92

TTSMOH: 5.06

Performed the following maintenance on this aircraft:

- Removed Engine Model:250-C300/A1; P/N: RR30000001; S/N: RRE200390. Prepared engine for Rolls-Royce maintenance Facility per RHC R66 MM Chap. 71-11 and RR300 OMM. Sent to StandardAero for the 2000 Hour PMI under W/O# LR100177.
- Received engine back and Installed same Engine per RHC R66 MM Chap. 71
- All Applicable Engine and Airframe Records have been Reviewed and updated for Compliance through FAA Bi-Weekly 2022-12. (See Compliance List dated 06/16/2022)
- Replaced all mandatory R66 Fatigue Life-Limited parts or next higher assemblies per R66 MM Chapter 4-30 Airworthiness limitations. Refer to section 4 of Airframe Maintenance Record "Component Historical Record" for record of Life Limited Parts or Overhaul Requirement for P/N & S/N of parts replaced.
- Replaced all additional components set forth in RHC R66 MM 1-92 Additional Component Maintenance Subpart A. 12 YEARS & Subpart B. 2000 HOURS.
- Performed 2000-Hour/12-year inspection per RHC R66 MM Chap. 5-50,
  - Installed all new Parts specified in R66 2000Hr. Kit P/N: KI-6602 Rev. D Including but not limited to items 1 through 94 of Kit contents.
  - Drained and Flushed TRGB per RHC R66 MM Chapter 12-23.
  - Serviced MRGB & TRGB with A257-22 oil.
  - Serviced Hydraulic System with A257-15 as per RHC R66 MM Chap. 12. Filled and Bled Hydraulic System using hydraulic mule pump.
  - MRGB oil Filter (**Due Change in 100Hours**) Per RHC R66 MM Chapter 12-12 (Note: 100Hrs after Overhaul)
  - Serviced Air Condition System with two new Condenser Fan ASSY's P/N: G780-1. Installed new Desiccant P/N: G783-2 & filter. Installed new Thermal Expansion Valve (TXV) P/N: G778-1. Flushed, leak tested and charged system per RHC R66 MM Chapter 12-82.

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- Installed new Fuel hose Assemblies P/N: B283-12 (AE3660121G0304) P/N: D205-21 (AE3660000G0114), Oil Hose assemblies P/N: D205-20 (AE3660060G0400) and P/N: D205-19 (AE6020G0290-90).
- Performed LG Assy 12yr. Inspection per RHC R66 MM Chap. 5-53. FWD Cross Tube P/N: F241-4, Aft Cross Tube P/N: F241-3 and Main Skid Tubes P/N: C242-9 & C242-10 were replaced with new parts.
- Removed fuel bladder, inspected & found to be in serviceable condition and re-installed.
- Performed minor repairs to fiberglass fuselage.
- Installed new Windshield P/N: F274-1 LH, S/N: 081-1 & P/N: F274-2 RH, S/N: 078-2 Clear.
- Installed new P/N C121-17 Push - Pull Tube Assembly.
- Scuffed entire fuselage exterior surfaces and repainted. Applied Black-Effect Nason Ful-Base Color code: L0216 IB Basecoat "IF" with Nason Select Clear 2K 497-00 Clear Topcoat.
- Replaced interior AIRCON HEADLINING/BULKHEAD ASSY P/N: EPA-F003-002-GEN, FLOORING ASSY-CABIN P/N: EPA-F469-GEN with new from Generation Global advanced aircraft interior solutions.
- Installed new Talon LC Keeperless Cargo Hook P/N: 528-029-00 with Pin Load Cell P/N: 210-301-01, and Electrically Released-External Harness R66 P/N: 270-206-00. Per Onboard Systems Owner's Manual Document Number 120-206-00 and ICA Document 123-038-00, IAW STC SR02447SE. See FAA form 337 dated 06/13/2022.
- Installed the following RHC R66 Kits:
  - Inlet Barrier Filter (KI-248 Rev. B)
  - Firewall Drain Tube (KI-258-1) SL-36
  - Cabin Bulkhead Doubler (KI-234 Rev. B)
  - AC Drain (KI-284 Rev. B)
  - 3PT to 5PT Harness Upgrade (KI-155-3 Rev. G)
  - Aft Seat Harness & Buckle Assy (KI-6603-3B)
  - R66 Fuel Dip Stick Installation (KI-231)
- All Tygon tube drain lines were replaced with new Tygon tubes.
- MRGB Oil Cooler P/N: 10578R, S/N: 1323 Overhaul WO# 147764 & Engine oil cooler P/N: 10958B, S/N: 472 Overhaul WO# 147763; Overhauled by Pacific Oil Cooler Service, dated 04/Nov/2021.
- Installed new battery P/N: RG-325, S/N: 41205040, per RHC R66 Chap. 96-11.
- Complied with/Reviewed all RHC AD's, SB's, and SL's. See Compliance Lists dated 06/16/2022 for full details.

SECTION 9 SC

**ROBINSON**

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**R66 AIRFRAME MAINTENANCE RECORD**

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- Performed Tail Rotor Drive Shaft Runout. Within Limits per RHC R66 Chap. 65-21.
  - Installed new Garmin Transponder GTX 335 IAW GTX 335 Part 27 AML STC Installation Manual 190-00734-20 Rev. 5. See FAA Form 337 Dated: 06/17/2022
  - Sent ELT S1851501-02 406 AF INTEGRA S/N RX1000038695 TO BE SERVICED AND REPROGRAMED FOR USA. **ELT BATTERY EXPIRES: 08/2025**
  - Installed Same Re- Programed ELT and performed ELT inspection IAW CFR 91.207 (D). No discrepancies found.
  - Performed Weight & Balance Per RHC R66 MM Chapter 8. New Longitude CG = 108.72 & Lateral CG = -1.03
  - See Weight and Balance and Amended Equipment List dated 05/20/2022 in Records.
  - Performed Track and Dynamic Balance Per RHC R66 MM Chap. 18 & Dynamic Solutions System Inc. MicroVib II Aircraft Analyzer (DSS)
- Application Notes.
- Oil Cooler Fan Shaft: .14 IPS
  - Engine Weldment Shaft: .030 IPS
  - Tail Rotor: .020 IPS
  - Ground lateral: .050 IPS
  - Hover lateral: .038 IPS
  - Hover Vertical: .091 IPS
  - Hover Track: .045 IN P-P TARGET HIGH
  - 80 KT Track: .138 IN P-P TARGET LOW
  - 110 KT Track: .139 IN P-P TARGET LOW
  - 80 KT Vertical: .070 IPS- 110 KT Vertical: .111 IPS.
- Performed Autorotational RPM adjustment to be within 1% of chart RPM per RHC R66 MM 18-16.
  - Performed Magnetic Compass Compensation Procedure with Master Compass (Cal date of Master Compass due 08/31/2022).
    - For N 000 -355; 030 - 024; 060- 055; E 090 - 085; 120 - 114; 150 - 143; S 180 - 174; 210 - 205; 240 - 236; W 270 - 265; 300 - 296; 330 - 326
  - Performed Transponder Certification. See PF Flyers Logbook entry 05/19/2022.
  - Performed 100Hr/Annual Inspection per RHC R66 MM Chap. 5-45.
  - All work performed IAW RHC R66 Maintenance Manual, Rolls-Royce RR300 OMM Engine Manual, and applicable parts of FAR 43 Appendix D.
- For further details of work accomplished see W/O# E360A01366/WO# E360A01388

I certify that this Aircraft has been inspected in accordance with a 100-hour inspection and has been determined to be in airworthy condition.

Lorenzo P. Dye

Certificate No. A&amp;P 3516369 IA

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