

ERA24LA205

AIRWORTHINESS

Group Chair's Factual Report - Attachment 3
N413JM aircraft logbook entries dated April 4 and 5, 2024

Flight Log & Maintenance Record

Pilot	Mission	Flight Time	Landings	Engine Cycles		VEMD Reads		Usage	Engine Data Power Check
				N ₁	N ₂	N ₁	N ₂	%	

DATE 04-04-2024
SO3 N413JM AS-350B3 S/N 8646
ACTT: 1,970.2
Hobbs:0.0

The following AIRWORTHINESS DIRECTIVES was/were performed:

- 2022-01-01 Main Rotor Pitch Rod upper link at Pitch Horn hardware torque stripe indication. No longer Applicable due to application of SB AS350-62.00.46.
- 2023-01-04 Tail Rotor Pitch Change Spider Bearing Spacer Black Index Mark Alignment. Next Due @ 1980.2 ACTT.
- 2021-05-09 Tail Rotor Control System Pitch Change Link Elastomeric Bearing Inspection. Next Due @ 2020.2 ACTT.
- 2001-04-14 Fuselage Frame C/W Inspection IAW par. d. Intervals not to exceed 2500 hours or 6 years.
- 2020-20-14 To Address an Uncoupled M/R Servo Actuator Rod. This Condition Could Result in Excessive Vibrations, Increased Loads on the Flight Controls, Failure of the M/R Servo Actuator, and Subsequent Loss of Control of the Helicopter C/W IAW ALERT SERVICE BULLETIN 67.00.77. Next Due @ 2135.2 ACTT.
- 2020-24-07 Engine Control System Wiring connectors 53Ka or 53Kb. C/W AD 2020-24-07, Per EASB 05.00.77 Rev. 1 dated 06/15/2015 Para. 3.B.1 thru 3.B.6. No defects noted. Next Due @ 2300.2 ACTT 04OCT2024.
- 2021-07-15 Tail Rotor Drive Shaft Bearing Inspection Inspected T/R D/S Bearings P/N 593404 per ASB 350A-01.00.70 R1. No defects noted at this time. Next Due @ 2135.2 ACTT.
- 2000-20-19C To prevent ground resonance due to reduced structural stiffness. Ref. AMOC Dated 12Jun2023, Aerospatiale SB 350.01.17a para CC.3. C/W par (a) and (b) in conjunction with MSM 05-22 Basic Airframe- T and/or A Inspection. Intervals no to exceed 600 FH.
- 2020-22-20 ASB No. AS350-05.00.92 Check for the presence of the Main Gearbox Suspension Bar Attachment Bracket Screw Head. Due @ Next "T" Inspection.

The following FEDERAL AIR REGULATIONS (FAR) was/were performed:

- 12 MONTH ELT INSPECTION FAR 91.207 Completed IAW FAR 91.207/AMM 25-66-20, 6-1

The following EMERGENCY ASB's was/were performed:

- EASB 05.00.86 Periodic check of the T/R Hub elastomeric P/C Rod.
- EASB 67.00.77 Main rotor servo actuator link between the lower ball end fitting and the actuator rod. C/W IAW Par. 3.B.2.b
- EASB AS350-05.00.77 Time Limits Maintenance Checks Twist Grip Contacts 53Ka and 53Kb C/W per 3.B.1.b, 3.B.3., 3.B.4., 3.B.6. Satisfactory.

The following ALERT SERVICE BULLETINS was/were performed:

- ASB AS350-63.00.38 Main Rotor Drive Main Gear Box (MGB) engine coupling Check the correct assembly of the MGB engine coupling flange PCW @ 1917.0 ACTT. One Time Inspection.
- ASB AS350-05.00.64 Checking the locking of the stop screws of the yaw flight controls Not Applicable. Post MOD 07.4602.
- ASB AS350-01.00.70 TAIL ROTOR DRIVE SHAFT BEARINGS Not Applicable P/N 704A33-651-181 Bearings Installed.
- ASB AS350-62.00.43 Due to Mast Removal. Mast P/N 350A37-1290-04 S/N FR3197 Overhauled TSO-C By Able Aerospace Services Inc. W/O 627638. ASB350-62-00.43 Complied with.
- ASB No. AS350-52-00.65 Doors Sliding Doors Double Locking of the Upper Rail Roller of the LH and RH Sliding Door and Locking Markings. MOD 0720150 Embodied. C/W ASB No. AS350-52-00.65. Installed Kit for Upper Roller of LH and RH Sliding Doors. P/N 350A0867660071 (2ea).

The following SERVICE BULLETINS was/were performed:

- SB 05.00.83 Rev. 2 P2 PIPES Helicopter is Post Mod 074765. The embodiment of this modification cancels the instructions of this Service Bulletin for pipes which have been replaced with stainless steel pipes.
- SB No. AS350-05.00.98 Starter / Generator Harness requires replacement Per Airbus SB No. AS350-05.00.98 Removed Old Starter Generator harness and installed new harness P/N 350Ae2402202AA.
- SB No. AS350-62.00.46 Main Rotor Replacement of the Pitch Horn/Pitch Rod Upper Screws Needs to be Complied With. C/W Service Bulletin No. AS350.62.00.46 Main Rotor Replacement of the Pitch Horn/Pitch Rod Upper Screws.

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"I certify that this aircraft has been inspected in accordance with the daily check and was determined to be in airworthy condition."

Signature _____

A&P # _____

Date _____

Pilot

DATE 04-04-2024
SO3 N413JM AS-350
ACTT: 1,970.2
Hobbs:0.0

The following ALS

- ALS 04-
- ALS 04-
- ALS 04-
- ALS 04-
- ALS 04-
- ALS 04-
- ALS 04-
- ALS 04-
- ALS 04-

The following MSM

- MSM 05-

The following MSM

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"I certify that this aircraft has been inspected in accordance with the daily check and was determined to be in airworthy condition."

Signature _____

Power Check

M/R Servo Actuator,

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5.2 ACTT
in conjunction with

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43 Complied with
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Flight Log & Maintenance Record

Pilot	Mission	Flight Time	Landings	Engine Cycles		VEMD Reads		Usage	Engine Data Power Check
				N ₁	N ₂	N ₁	N ₂	%	
DATE 04-04-2024 SO3 N413JM AS-350B3 S/N 8646 ACTT: 1,970.2 Hobbs:0.0									
The following ALS 04-20-00 AIRWORTHINESS INSPECTIONS (CHK) was/were performed: 1.) ALS 04-20-00---10 HR---FREQUENCY ADAPTER / SPHERICAL THRUST BEARING---GVI 2.) ALS 04-20-00---10 FH---TRH Pitch Change Unit---350A33-2167-00---AD 2023-01-04 3.) ALS 04-20-00---20 HR---Laminated Pitch Half-Bearing (GVI) 4.) ALS 04-20-00---30 HR---Airframe Inspection ALS 04-20-00 Tail Rotor Blade (GVI) 5.) ALS 04-20-00---50 HR---Starflex Inspection ALS 04-20-00 Star Flex Star 350A-1918-00 (GVI) 6.) ALS 04-20-00---50 HR---TRH PITCH CHANGE LINKS---GVI---AD 2021-05-09 & ASB 05.00.86R3 7.) ALS 04-20-00---50 HR---STARFLEX---GVI 8.) ALS 04-20-00---150 HR---Tail Rotor Drive Shaft (GVI) See also AD 2021-07-15 Inspected T/R D/S Bearings P/N# 593404 per ASB 350A-01.00.70 R1. 9.) ALS 04-20-00---300 HR---Tail Rotor Drive Shaft-Greaseable Bearing---DI									
Date	The following MSM 05-20-BASIC AIRFRAME- DAILY INSPECTIONS was/were performed: 1.) MSM 05-20-02 30 Day // 10 Hour P-Check---GVI								
Car	The following MSM 05-21-BASIC AIRFRAME- S INSPECTIONS was/were performed: 1.) MSM 05-21-00---150 HR / 12 Month Airframe Inspection 2.) MSM 05-21-01---150HR Airframe Inspection 3.) MSM 05-21-02---12 Month Inspection								
Total	The following MSM 05-22-BASIC AIRFRAME-T AND A INSPECTIONS was/were performed: 1.) MSM 05-22-00---750 HR 24 Month Airframe Inspection 2.) MSM 05-22-01---750 HR Airframe Inspections 3.) MSM 05-22-02---24 Month Airframe Inspection								
Total	The following MSM 05-23-BASIC AIRFRAME- 2T AND 2A INSPECTIONS was/were performed: 1.) MSM 05-23-00---1500 HR/48 Month Airframe Inspection 2.) MSM 05-23-01---1500HR Airframe Inspection 3.) MSM 05-23-02---48 Month Airframe Inspection								
	The following MSM 05-25-BASIC AIRFRAME- SPECIFIC PERIODIC INSPECTIONS was/were performed: 1.) MSM 05-25-00---30 HR---Main Rotor Blade / Tail Rotor Blade---CLN 2.) MSM 05-25-00---30 Hour-Tail Rotor Blade---CLN 3.) MSM 05-25-00---30 Day / 12 Month---Cabin Fire Extinguisher---DI 4.) MSM 05-25-00---ELT 30 DAY Function Check---FT 5.) MSM 05-25-00---3 Month Fuel Tank Tropical and Damp Atmosphere---DI 6.) MSM 05-25-00---6 Month CABIN FIRE EXTINGUISHER---WGH---1.80 Kg. Passed. 7.) MSM 05-25-00---100 HR---MGB-TGB-MAST Chips Detectors								
Page 2 of 6									
"I certify that this aircraft has been inspected in accordance with the daily check and was determined to be in airworthy condition."									
Signature _____ A&P # _____ Date _____									

Flight Log & Maintenance Record

Pilot	Mission	Flight Time	Landings	Engine Cycles		VEMD Reads		Usage	Engine Data Power Check
				N ₁	N ₂	N ₁	N ₂		

DATE 04-04-2024
SO3 N413JM AS-350B3 S/N 8646
ACFT: 1,970.2
Hobbs 0.0

The following MSM 05-25-BASIC AIRFRAME- SPECIFIC PERIODIC INSPECTIONS was/were performed: (CONT)

- 8.) MSM 05-25-00-100 HR- Rod End Fitting- MRH PC Link- DI
- 9.) MSM 05-25-00-150 HR // 6 Month- Corrosion Preventative Bead- Check SVC
- 10.) MSM 05-25-00-150 HR // 6 Month- Yaw Compensator
- 11.) MSM 05-25-00-150 HR // 3 Month- Blade Pin- LUB
- 12.) MSM 05-25-00-300 HR Airframe Inspection- Main Rotor Swashplate- VCDI
- 13.) MSM 05-25-00-300 HR Starter/Generator- Radial Play- Pre TU 211- DI
- 14.) MSM 05-25-00-300 HR // 24 Month- Diapason Scissor Link- DI
- 15.) MSM 05-25-00-300 HR- Fuel shut-off valve- GVI
- 16.) MSM 05-25-00-600 HR // 24 Month- M/R Pitch Change Link- GVI
- 17.) MSM 05-25-00-600 HR // 24 Month- Hydraulic Pump Bearing- LUB Post MOD 079558
- 18.) MSM 05-25-00-600 HR // 24 Month Cabin Vibrator Absorber Blade- RTQ GVI
- 19.) MSM 05-25-00-600 HR // 24 Month- Fuselage- DI
- 20.) MSM 05-25-00-600 HR // 24 Month- Sliding Door- DS
- 21.) MSM 05-25-00-600 HR // 24 Month- Sliding Door- DI
- 22.) MSM 05-25-00-600 HR // 24 Month- Lateral Cargo Door- FT
- 23.) MSM 05-25-00-600 HR // 24 Month- DART Footsteps- DI
- 24.) MSM 05-25-00-600 HR // 24 Month- TRH pitch change unit - Greaseable bearing- DI LUB
- 25.) MSM 05-25-00-600 HR- Casing TGB Attachment Bolt- TCK
- 26.) MSM 05-25-00-600 HR // 24 Month- TRH Pitch Change Unit- DI
- 27.) MSM 05-25-00-600 HR // 24 Month- Tail rotor drive shaft- TCK/DI
- 28.) MSM 05-25-00-600 HR // 24 M- Hydraulic Pump - Belt Drive- Spline Lube- LUB
- 29.) MSM 05-25-00-600 HR // 24 Month- Scissor Link- 8646 is Pre Mod. 07-50013- TCK
- 30.) MSM 05-25-00-600 HR // 24 Month- Upper and Lower Fin- GVI/TCK/RTQ
- 31.) MSM 05-25-00-600FH // 24 Month- Hydraulic Pump Belt Drive- Spline Lube- LUB
- 32.) MSM 05-25-00-1200 HR // 48 M- Load Compensator Lever Assy- DI
- 33.) MSM 05-25-00-1200 Hour // 48 Month- Engine-to-MGB coupling- DI
- 34.) MSM 05-25-00-1200 HR // 48 Month- Engine-to-MGB coupling-Hydraulic- DI
- 35.) MSM 05-20-00-1200 HR // 24 Month- Tail Rotor Hub Hinge Bearing- GVI
- 36.) MSM 05-25-00-1200 HR- Twist Grip Load Spring- DS- Replacement
- 37.) MSM 05-25-00-2250 HR // 72 Month- Oil temperature warning system- DRN/DI FT
- 38.) MSM 05-25-00-2250 HR // 72 Month- Heating pipe- DI
- 39.) MSM 05-25-00-3000 HR // 24 Month Hydraulic system Salt Laden Atmosphere- DRN
- 40.) MSM 05-25-00-3000 HR // 48 Month Hydraulic System- DRN

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"I certify that this aircraft has been inspected in accordance with the daily check and was determined to be in airworthy condition."

Signature _____

A&P # _____

Date _____

Pilot

DATE 04-04-2024
SO3 N413JM AS-3
ACFT: 1,970.2
Hobbs 0.0

The following MS

- 41.) MSM 05-2
- 42.) MSM 05-2
- 43.) MSM 05-2
- 44.) MSM 05-2
- 45.) MSM 05-2

W/O 627638

The following MS!

- 1.) MSM 05

The following MS!

- 2.) MSM 05

Date:

- 3.) MSM 05

- 4.) MSM 05

The following MS!

Carri

- 1.) MSM 05-32-C

Total

- 2.) MSM 05-32-C

Total

- 3.) MSM 05-32-C

Totals

The following MS!

- 1.) 1800 HR

The following ALS

- 1.) 20,000 FE

The following INS

- 1.) 12 MO

- 2.) 750 HC

- 3.) Annual

- 4.) 150HR

"I certify that this a

Signature _____

Flight Log & Maintenance Record

Pilot	Mission	Flight Time	Landings	Engine Cycles		VEMD Reads		Usage	Engine Data Power Check
				N ₁	N ₂	N ₁	N ₂	%	

DATE 04-04-2024
SO3 N413JM AS 350B3 S/N 8646
ACIT: 1,970.2
Hobbs:0.0

The following MSM 05-25-BASIC AIRFRAME- SPECIFIC PERIODIC INSPECTIONS was/were performed: (CONT)

- 41.) MSM 05-25-00---3000 FH // 72 M---Tail boom to Fuselage Junction Inspection---RTQ/GVI
- 42.) MSM 05-25-00---3000 Hour // 72 Month---MGB Suspension cross bar---Dog Bone---DI
- 43.) MSM 05-25-00---3000 Hour // 72 Month---Vibration Dampner, Spring Type---DI
- 44.) MSM 05-25-00---5400 // 72 Month---Main Rotor Mast Upper Housing---DI Mast P/N 350A37-1290-04 S/N FR3197 Overhauled TSO-0- By Able Aerospace Services Inc. W/O 627638.
- 45.) MSM 05-25-00---5400 Hour // 72 Month---Main Rotor Mast Detailed Inspection with Removal---DI Mast P/N 350A37-1290-04 S/N FR3197 Overhauled TSO-0- By Able Aerospace Services Inc. W/O 627638.

The following MSM 05-30-OPTIONAL EQUIPMENT-DAILY INSPECTIONS was/were performed:

- 1.) MSM 05-30-00---10 FH / 7 Day---"P" Check Optional Equipment---GVI

The following MSM 05-31-OPTIONAL EQUIPMENT-S INSPECTION was/were performed:

- 2.) MSM 05-31-00---150 HR//12 Month---Optional Equipment Inspection
- 3.) MSM 05-31-00---150 HR---Optional Equipment Inspection
- 4.) MSM 05-31-02---12 Month---Optional Equipment Inspection

The following MSM 05-32-OPTIONAL EQUIPMENT- T AND OR A INSPECTION was/were performed:

- 1.) MSM 05-32-00---750 HR // 24 Month---Optional Equipment Inspections
 - 2.) MSM 05-32-01---750 FH---Optional Equipment Inspections
 - 3.) MSM 05-32-02---24 Month---Optional Equipment Inspections
- The following MSM 05-11-00 OTL Components was/were replaced:
- 1.) 1800 HR Retirement---Hydraulic Belt PolyV Installed new Poly "V" Belt P/N# PolyV597K4 per AMM 63-11-00, 5-1. TSN-0.
 - 2.) 1200 FH/120M---Tail Rotor Blade- Laminated Pitch half-bearing. P/N 704A33635303 (4ee) S/N's 2T21D715, 2T21D707, 2T21D180, 2T21D189. TSN-0.
 - 3.) 3600FH/60M Tail Rotor Driveshaft- Greaseable Bearing. P/N 704A33651181 (5ea) S/N N/A. TSN-0.

The following ALS 04-10-00 SLL Components was/were replaced:

- 1.) 20,000 FH---Tail Rotor blade Horn--- P/N 355A12510201 S/N's S/N 4601 / S/N 4787 TSN-0.

The following INSTRUCTIONS FOR CONTINUOUS AIRWORTHINESS (ICA) was/were performed:

- 1.) 12 MONTH---CONCORDE BATTERY CAP CHECK
- 2.) 750 HOUR / 12 MONTH FACET SCAVENGE OIL FILTER Removed and Replaced Filter Kit P/N 1742510-01 IAW Facet Kit No. 1741320 Installation and Service Manual.
- 3.) Annual//150 HR---RSG Air Conditioning System C/W IAW RSG ICA IFSE-0007.
- 4.) 150HR//12 Month---Airbus---Left and Right Cargo Mirrors C/W IAW ICA-ECI-131 Rev.1 Par. 4.1.2.

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Pilot	Mission	Flight Time	Landings	Engine Cycles		VEMD Reads		Usage	Engine Data Power Check
				N ₁	N ₂	N ₁	N ₂	%	

DATE 04-04-2024
SO3 N413JM AS-350B3 S/N 8646
ACFT: 1970 2
Hobbs:0.0

The following INSTRUCTIONS FOR CONTINUOUS AIRWORTHINESS (ICA) was/were performed: (CONT)

- 5.) AIRBUS BATTERY RELOCATION-----150 HR/12 MONTH C/W IAW ICA-ECI-125 Rev 11.
- 6.) 12 Month----Aero Dynamics NVG Inspection C/W IAW Aero Dynamix ICA AS350B3-01 Table 5-2.
- 7.) DONALDSON INLET BARRIER FILTER 300 FH // 12 MO// 100 FH INSPECTION C/W IAW AFS-EC130-IBF-ICA Aerospace Filtration Systems, Inc Table
- 8.) 100 HR----AMTECH REAR SEARCHLIGHT MOUNT INSPECTION C/W IAW Amtech Aeronautical Limited MMS424401 Section 5- Recommended Inspections Par 5.1 & 5.2.
- 9.) Trekka Search Light 100 FH // 60 Day Inspection C/W IAW Amtech Aeronautical Limited MMS424401 Section 5- Recommended Inspections Par 5.9.
- 10.) Annual---- Onboard Systems Cargo Hook Swing Suspension System Inspection. Completed IAW Onboard Systems ICA 123-011-02 Rev. 22. Sec 5.1 Installed Overhaul Kit P/N 212-040-00 and Frame Strut Spherical Bearings 4 ea P/N 517-055-00. Lubricated with Mobil 28 Grease

The following DISCREPANCIES was/were performed:

- 1.) Twist Grip Spring, Limited Life Part, Due Replacement Removed Twist Grip Spring P/N 350A27324924, Installed NEW P/N 350A27324924 Ref AMM 76-12-04-4-2. Adjusted Spring tension Ref AMM 76-12-04-5-2. Set to 5.5 LBF 8130 attached
- 2.) M/R Swashplate Uni-Ball Cups Worn. Removed and Replaced Swashplate Cushions P/N 350A37121220 (2EA) w/ New IAW AMM 62-32-00-4-2.
- 3.) M/R Swashplate Uni-Ball Has Flat Spot. Removed and Replaced Swashplate Uni-Ball P/N 350A37107421 w/New IAW AMM 62-32-00-4-2. Adjusted Axial Play with P/N 350A93-3714-00a Adjustment tool as Req'd
- 4.) Mast Seal Requires Replacement. Removed and Replaced Mast Seal w/ New P/N 704A39811029 IAW AMM 62-31-00-4-1.
- 5.) T/R Lever ASSY P/N 355A27-0082-01 Pivot Bearing Ratcheting/Rough. Removed and Replaced w/ New IAW AMM 67-34-00-4-2
- 6.) M/R Blade Pin Corrosion Out of Limits. Replaced Blade Pin Assemblies (6ea) w/ New P/N 350A31177001 S/Ns M70501,M70504,M70463,M70436,M70450,M70457.
- 7.) M/R Caliper Ring Stop P/N 350A37116920 Bent. Installed new retaining cup P/N# 350A37116920.
- 8.) M/R Frequency Adapter Spherical Bearings Require Replacement. Removed and Replaced M/R Frequency Adapter Spherical Bearings (3ea) P/N 704A33633124 w/New IAW AMM 62-21-00-4-4B.
- 9.) T/R Pitch Change Spider END BALL, Split Bushes and Scraper Lip Seals require replacement. Installed a new END BALL on the T/R P/C Spider (Spherical bearing yoke) Ref AMM 65-21-00-4-11. Replaced Split Bushes Ref AMM 65-21-00-8-4 and Replaced Scraper Lips Seals Ref AMM 65-21-00-4-9B (F-43).
- 10.) All Upper and Lower M/R PC-Link Bearings have excessive axial radial play. Removed and Replaced Upper M/R PC Link Bearings (3ea) P/N 12-6891P and Nuts (3ea) P/N 22462BC120L w/New. Removed and Replaced Lower M/R PC Link Bearings (3ea) P/N 12-6892P and Nuts (3ea) P/N 22462BC120L w/New. All lengths set to Nominal IAW AMM 62-33-00-4-1.
- 11.) T/R Hub requires removal to facilitate T/R Spider End Ball, Split Bushes and Lip Seals replacement. (Refer to Job 47 on this WO) Reinstalled T/R Hub with new Lock washer, torqued Hub bolt and applied sealant Ref AMM 65-21-00-4-8 (F-2.)
- 12.) T/R Anti-Rotation Rings Need To Be Replaced. P/N 355A12510821. Replaced w/New IAW AMM 65-21-00-4-12.
- 13.) Landing Gear FWD & AFT Upper/Lower Chafing Strips Worn. Removed and Replaced Landing Gear Chafing Strips. 4ea Upper P/N 350A41108820, 2ea Front Lower P/N 350A41109020, and 2ea Aft Lower P/N 350A41109920 IAW AMM 32-11-00-4-1.
- 14.) Pilots door spring rod requires replacement. Inop Installed new P/N# 350A25136500 Gas Rod onto pilots door.
- 15.) Self-lubricating Adhesive Tape on Cyclic Swashplate Guide Worn. Removed and Replaced Tape w/ New P/N 350A37105720 IAW AMM 62-32-00-8-1.
- 16.) Tail Rotor Blades P/N 355A12006004 S/N 22733 Removed for Refurbish. TSN 1970 2. Reinstalled Tail Rotor Blades Repaired by Advanced Composite Structures w/o 5011 IAW AMM 64-10-00-4-2
- 17.) M/R Head Spring Anti-Vibrator Hoist Cover Spacer Corroded P/N 350A31203320. Removed and Replaced w/ New IAW AMM 62-21-00-4-6.

Page 5 of 6

I certify that this aircraft has been inspected in accordance with the daily check and was determined to be in airworthy condition."

nature _____ A&P # _____ Date _____

Pilot _____ Mis _____

DATE 04-04-2024
SO3 N413JM AS-350B3 S/N 8646
ACFT: 1970.2
Hobbs:0.0

The following DISCREPANCIE

- 18.) VOR Antenna mounts applied sealant to the
- 19.) Removed EBCAU At 4256 IAW AMM 71-
- 20.) M/R Head Faring P/P
- 21.) Removed Main Rotor servo P/N# SC8042 S remaining with a SLL
- 22.) ASI 3 Card P/N 704, S/N 3817. Function cl

Date _____

Carri _____

Total _____

Total _____

I certify this Aircraft has been insu

Jason Phillips
A&P _____

DATE 04-04-2024 SO3 1

Removed Onboard System

I certify this Aircraft has t
approved for return to serv

Max Konig A&P _____

"I certify that this aircraft has

Signature _____

Flight Log & Maintenance Record

Pilot	Mission	Flight Time	Landings	Engine Cycles		VEMD Reads		Usage	Engine Data Power Check
				N ₁	N ₂	N ₁	N ₂		

DATE 04-04-2024
SO3 N413JM AS-350B3 S/N 8646
ACTT: 1,970.2
Hobbs: 0.0

The following DISCREPANCIES was/were performed: (CONT)

- 18.) VOR Antenna mounts corroded. Removed antenna, cleared the corrosion on the antenna mounts and repainted. Reinstalled with new mounting hardware P/N 22272BC040012L (X 8 Screws) and applied sealant to the edges of the mounts.
- 19.) Removed EBCAU Auxiliary Actuator P/N 13006-2 S/N 3353 in Serviceable Condition for use on N227ND S/N 9296 ACTT 542.3. Installed New EBCAU Auxiliary Actuator P/N 13005-2 S/N 4256 LAW AMM 71-11-00, 4-4C.
- 20.) M/R Head Fairing P/N 350A31201600 Requires Replacement. Installed New LAW AMM 62-21-00, 4-6.
- 21.) Removed Main Rotor Servo (Lateral) P/N SC8042 S/N 4313 with 2209.7 FH TTSN/TSO-TSN in Serviceable Condition for use on N217CC S/N 8505 2268.1 ACTT. Installed -0- TSO replacement servo P/N# SC8042 S/N# 61 with 18542.2 FH TTSN. Servo S/N# 61 TTSN 18542.2. Total Time Since Transfer from AS355F1 to AS350B3 is 15263.3 FH. Servo S/N# 61 has 4736.7 FH remaining with a SLL of 20000 FH. See log Cards for details. Installation per AMM 67-31-00, 4-3A with new rod end bearings.
- 22.) ASU 3 Card P/N 704A43211012 S/N 2577 Removed in Serviceable Condition For Continued Use On SO2 N911DG S/N. 8859 1,650.0 ACTT. Installed New ASU 3 Card P/N 704A43211012 S/N 3817. Function check Good, No Defects Noted.

Date

Carri

Total

Total:

I certify this Aircraft has been inspected per 14-CFR-Part 91.409(f)(3) and determined to be in airworthy condition with respect to the work performed and is approved for return to service.

Jason Phillips
A&P [REDACTED]

Page 6 of 6

DATE 04-04-2024 SO3 N413JM AS-350B3 S/N 8646 ACTT: 1,979.1 Hobbs: 8.9

Removed Onboard Systems Cargo Swing P/N 232-145-25, S/N 00785 and Cargo Hook P/N 528-028-00, S/N 01081 for Inspection.

I certify this Aircraft has been inspected per 14-CFR-Part 91.409(f)(3) and determined to be in airworthy condition with respect to the work performed and is approved for return to service.

Max Konig A&P [REDACTED]

"I certify that this aircraft has been inspected in accordance with the daily check and was determined to be in airworthy condition."

Signature

A&P #

Date

DATE: 04-05-2024
SO3 N413JM AS350 B3e 8646
ACTT: 1972.2
Hobbs: 2.0



Completed Tail Rotor balance to < .2 IPS per AMM 64-10-00, 5-1A, Completed Intermediate Drive Shaft to .287 IPS per AMM 65-11-00, 5-1A and Completed Main Rotor Track and Balance to < .2 IPS at 80 Knots IAS up thru MCP @ .168 IPS per AMM 62-00-00, 5-1A. Used Micro-Vibe II S/N# 1154. Completed Tail Rotor tracking finger lock plate PO per AMM 64-10-00, 8-3. 1 Flight Hour Mandatory check after first flight following installation. Visual check the safety of the tracking finger lock plate.

I certify that this Aircraft was inspected I/A/W 14 CFR Part 91.409 (f)(3) and was determined to be in an airworthy condition with respect to the maintenance performed as listed above.

Brian K. Parsons

Dat

Car

Tot:

Tot

DATE 04-11-2024
SO3 N413JM AS-350B3 S/N 8646
ACTT 1,972.5
Hobbs 2.3

The following AIRWORTHINESS DIRECTIVE was/were performed:

1.) 2023-01-04 Tail Rotor Pitch Change Spider Bearing Spacer Black Index Mark Alignment. Next Due @ 1982.5 ACTT.

The following ALS 04-20-00 AIRWORTHINESS INSPECTIONS (CHK) was/were performed:

- 1.) ALS 04-20-00----10 FH----TRH Pitch Change Unit----350A33-2167-00----AD 2023-01-04
- 2.) ALS 04-20-00----10 HR----FREQUENCY ADAPTER / SPHERICAL THRUST BEARING----GVI

The following MSM 05-20-BASIC AIRFRAME- DAILY INSPECTIONS was/were performed:

- 1.) MSM 05-20-02 30 Day // 10 Hour P-Check----GVI C/W "P" Inspection Post Mod. 07-4302 Daily checks AMM 05-40-00, 6-7B

The following MSM 05-26-BASIC AIRFRAME- PERFORM ONCE INSPECTIONS was/were performed:

- 1.) MSM 05-26-00----10 FH RTQ----Main Rotor Mast----PO C/W IAW AMM 62-31-00, 6-8// AMM 62-31-00, 6-9// AMM 62-31-00, 6-10// AMM 62-31-00, 6-11.
- 2.) MSM 05-26-00----10 FH TCK----MGB Suspension Bar----PO C/W IAW AMM 63-32-00, 6-5.
- 3.) MSM 05-26-00----10 FH TCK----Main Rotor Mast----PO C/W IAW AMM 62-33-00, 6-7.
- 4.) MSM 05-26-00----1 FH & 10 FH----TRB Tracking Finger----PO/GVI C/W IAW AMM 64-10-00, 8-3.
- 5.) MSM 05-26-00----10 FH----Main Servo-control----RTQ C/W IAW AMM 67-31-00, 6-4 & AMM 67-32-00, 6-4.
- 6.) MSM 05-26-00----MRH----PO----2 Hour----TCK C/W IAW AMM 62-21-00, 6-19// AMM 62-21-00, 6-20// AMM 62-33-00, 6-6.

The following MSM 05-30-OPTIONAL EQUIPMENT-DAILY INSPECTIONS was/were performed:

- 1.) MSM 05-30-00----10 FH / 7 Day----"P" Check Optional Equipment----GVI

I certify this Aircraft has been inspected per 14-CFR-Part91.409(f)(3) and determined to be in airworthy condition with respect to the work performed and is approved for return to service.

Jason Phillips
A&P

Signature

DATE 04-13-

P

The following:
C/W AD 202:
Next Due @
The following:
C/W 10 HR I
C/W 10 Hr S
The following:
C/W "P" Insp
C/W 10 HR /
The following:
C/W 10 FH /

I certify this
approved for

Date: Max Konig

Carried Forward

Total Time Today

Totals

Discrepan

"I certify that this a

Signature