



ATTACHMENT 1

AIRWORTHINESS GROUP FACTUAL REPORT

NTSB No. CEN20LA167

**N8375F 25-Hour Inspection Maintenance Work Order No. 1753
(9 pages)**

INSPECTION REVIEW

Aircraft N 75F Aircraft TT (MX) 4775,3

Type of Inspection 25HR WO# 1753
Date Completed 4-28-2020

Maintenance Technician-(Initial and Sign)

I have reviewed the inspection sheet (checklist) Tasks for completion [redacted]
Flight log / Airframe / Engine log books entries made [redacted]
Aeronet Computer Tasks have been signed off [redacted]

Maintenance Technician [redacted] Date 4-28-2020

Inspector - (Initial and Sign)

I have reviewed the Inspection sheet (checklist) Tasks for completion [redacted]
Flight log-Discrepancy(s) signed off / Update 14 day blades if applicable, Update next
Insp Due [redacted]
Airframe logbook entries made [redacted]
Engine logbook entries made [redacted]
Aeronet Computer Tasks have been signed off [redacted]

Inspector [redacted] Date 4/28/20

Pilot An inspection has been completed on this aircraft. The Pilot of the first flight will need to preflight the aircraft, review and sign this sheet. Any safety of flight issues should be written up and brought to the attention of a Maintenance Technician.

PIC (Pilot in Command) [redacted] Date 4-29-2020
Payroll # [redacted]

Work Order

Aircraft Info. [redacted]
Parts issued [redacted]
Tasks Completed [redacted]
Close Work Order [redacted]
Update (Complete) Aircraft Record [redacted]
Steve Cowan [redacted]

Date 4/28/20

Maintenance Sergeant Reviewed

Randy Martin [redacted] Date 4-30-20

N75F

03/31/2021

Signature Page

Aircraft Registration

N75F

Date

4-28-2020

Aircraft TT (Mx Hobbs)

4775.3

Work Order Number(s)

1753

Inspections-Review the entire packet/checklist/Tasks for the area you are working on for additional inspection items.

All Aircraft Mechanics must enter information below.

Name	Signature	Initial	Certificate Number
Kevin Darneil			

03/31/2021

Air Support Division

Aircraft	Mx Hobbs	Inspection	Date	WO/JOB#
N75F	4775.3	25HR	4-28-2020	1753

[illegible]

03/31/2021

***Adding Task to existing Work Order/Job# or Creating a New Work Order/Job#**



ADDRESS:
8402 LARSON STREET
HOUSTON, TX 77061
PH: (832) 395-1995

N75F 25HR 4-28-2020

WORK PACK

1753



Airframe: 4749.40 hours 0.00 cycles (LDGS) 0.00 landings
Engine 1: 4749.40 hours 3623.00 Ng cycles 0.00 starts
Torque Events: 3356.00
RINs: 110020.00

Aircraft Registration: N8375F

Date: 04/28/2020 Page: 1 of 6

25.00 Equipment Furnishings Cabin

- DONE BY [REDACTED] Check all interior lighting-Compass, Panel, Map/Utility Lights for operation
- DONE BY [REDACTED] Check Exterior lighting- Landing, Position, Anti-Collision for operation.
- DONE BY [REDACTED] Verify push to test all caution panel and warning lights
- DONE BY [REDACTED] Airworthiness, Registration and related certificates are in the aircraft.
- DONE BY [REDACTED] Cover curtain on pilot collective for condition.
- DONE BY [REDACTED] Pilot/TFO Seat bottom/back for condition of frame and webbing. Seat belts, shoulder harness and inertia reels for general condition and security, operation of buckles, and inertia reels. All securely fastened when not in use.
- DONE BY [REDACTED] Battery for condition, security and attachment
- DONE BY [REDACTED] Fire Extinguisher for charge and security of attachment
- DONE BY [REDACTED] Cyclic, Collective and ant-torque controls: Check anti-torque pedal quick release locking pins for condition and security.

25.10 Passenger/Cargo Comp

- DONE BY [REDACTED] Visually check blower belt for condition and tension. Stressed panels, covers and trim panels for condition and security.
- DONE BY [REDACTED] Passenger Seat, belts, shoulder harness and inertia reels for general condition and security; proper operation of buckles and inertia reels. All belts securely fastened when not in use.

03/31/2021



ADDRESS:
8402 LARSON STREET
HOUSTON, TX 77061
PH: (832) 395-1995

N75F 25HR 4-28-2020

WORK PACK

1753



Airframe: 4749.40 hours 0.00 cycles (LDGS) 0.00 landings
Engine 1: 4749.40 hours 3623.00 Ng cycles 0.00 starts
Torque Events: 3356.00
RINs: 110020.00

Aircraft Registration: N8375F

Date: 04/28/2020 Page: 2 of 6

DONE BY

Passenger seats for condition and security.

[[REDACTED]]

32.00 Landing Gear

DONE BY

Upper fairing fillets for freedom of movement and for general condition.

[[REDACTED]]

DONE BY

Forward / Aft landing gear dampers for condition, by observing stance of helicopter. Rear Damper to fuselage attach fittings for damage.

[[REDACTED]]

DONE BY

Skid tubes and fairings and feet for obvious damage and security of attachment. Position lights for security and obvious damage.

[[REDACTED]]

53.00 Fuselage

DONE BY

Canopy and Windscreens for damage

[[REDACTED]]

DONE BY

Cabin air inlet clear of obstructions and operation.

[[REDACTED]]

DONE BY

Fuel cell vent fairings free of obstruction and obvious damage.

[[REDACTED]]

DONE BY

Steps for security and condition of anti-skid paint.

[[REDACTED]]

DONE BY

Front and rear doors for condition of door glass, vents, and proper operation of latching. Hinge pins properly installed and secured.

[[REDACTED]]

DONE BY

Access, inspection and compartment panels, covers for secure closer.

[[REDACTED]]

03/31/2021



ADDRESS:
8402 LARSON STREET
HOUSTON, TX 77061
PH: (832) 395-1995

N75F 25HR 4-28-2020

WORK PACK

1753



Airframe: 4749.40 hours 0.00 cycles (LDGS) 0.00 landings
Engine 1: 4749.40 hours 3623.00 Ng cycles 0.00 starts
Torque Events: 3356.00
RINs: 110020.00

Aircraft Registration: N8375F

Date: 04/28/2020 Page: 3 of 6

DONE BY [REDACTED] Inspect inlet barrier filter system if installed for damage and debris, missing fasteners, or the need for servicing or repair. Inspect upper canopy for cleanliness and free from damage.

DONE BY [REDACTED] Inspect static port in aft fairing for no obstruction.

DONE BY [REDACTED] Engine Oil level correct-replenish if low. Filler cap secured. No evidence of oil leakage from or around fuselage drains.

DONE BY [REDACTED] Fuel cap secured. Take fuel sample from fuel cell drain valve.

62.00 Main Rotor

DONE BY [REDACTED] Tunnel control rods, control linkage and bellcranks secure and free from damage. No excessive play or binding noted in rod end bearings or controls.

DONE BY [REDACTED] Check Hub and fairing for cracks, damage and security. Main rotor hub, pitch housings and swashplate assembly for obvious damage, retention straps for cracks, corrosion or broken laminations. Spray Tri-Flow on Laminates.

DONE BY [REDACTED] Blade pitch control rod bearings for excessive wear and lockwire for security. Visually inspect all main rotor blade dampers and blades attach pins for cracks, wear and corrosion. Blades attach pins tight and levers properly locked.

DONE BY [REDACTED] Lead-lag attach lug bushings for looseness. Lead-lag link attach bolts, and nuts for cracks, corrosion and damage.

DONE BY [REDACTED] Dampers for obvious damage, damper bun for bonding separation and for security. Droop stop ring, followers, rollers, and striker plates for damage and freedom of movement. Scissors assembly, crank or link for any evidence of damage or deformation.

DONE BY [REDACTED] Swashplate interrupters and magnetic pick-up secure. Upper and lower dust boots free from damage and deterioration.

DONE BY [REDACTED] Mast base area clean, and free of debris. No obvious damage to mast base and mixer bellcranks. Check mast support bolts for security.

DONE BY [REDACTED] All main rotor blades for scratches, dents, cracks, corrosion, security and bond separation at root fittings and doublers.

03/31/2021



ADDRESS:
8402 LARSON STREET
HOUSTON, TX 77061
PH: (832) 395-1995

N75F 25HR 4-28-2020

WORK PACK

1753



Airframe: 4749.40 hours 0.00 cycles (LDGS) 0.00 landings
Engine 1: 4749.40 hours 3623.00 Ng cycles 0.00 starts
Torque Events: 3356.00
RINs: 110020.00

Aircraft Registration: N8375F

Date: 04/28/2020 Page: 4 of 6

DONE BY

[]

Main rotor blade leading edge abrasion strip bonding for bonding separation. Any blisters, bubbling or lifting of abrasion strip indicates a void.

DONE BY

[]

Clean using mild soap and water and coat main rotor blades with Corrosion X.

63.00/64.00 Transmission and Drivetrain, Anti-Torque

DONE BY

[]

Check exterior skin of boom fairing and tailboom for obvious damage, cracks and loose rivets. Check boom skin around stabilizer fittings for cracks. Check stabilizer attach bolts for security. Check for no gap between boom and fuselage at boom attach point.

DONE BY

[]

Check Vertical stabilizer and Check Horizontal stabilizer for damage, condition and security of attachment

DONE BY

[]

Tailboom access panels secure.

DONE BY

[]

Tail rotor transmission for security of mounting, chip detector wiring for damage and security. Tail rotor transmission for excessive leakage and correct oil level. Check that filler plug vent hole is facing aft.

DONE BY

[]

Tail rotor control rod at gearbox and pitch control links for excessive play, free movement and security. Pitch control for evidence of seal rotation or loss of grease.

DONE BY

[]

Tail rotor output shaft protective dust boots for installation and condition.

DONE BY

[]

Tail rotor retaining nut and lock washer for security. No broken tangs noted; retaining nut has not rotated; torque strip intact. Check fork assembly for wear.

DONE BY

[]

Check elastomeric bearings in tail rotor fork for failure between metal cones and elastomeric elements in bearing assembly and bond failure between bearing and tail rotor fork, apply teetering force by hand (stop to stop) to rotor blades, Inspect elastomers for radial-molded ridges on each bearing face as teetering takes place. Discontinuity in molded ridges indicates bearing failure. There should be no apparent motion between the cage and fork, observed motion indicates bond failure.

03/31/2021



ADDRESS:
8402 LARSON STREET
HOUSTON, TX 77061
PH: (832) 395-1995

N75F 25HR 4-28-2020

WORK PACK

1753



Airframe: 4749.40 hours 0.00 cycles (LDGS) 0.00 landings
Engine 1: 4749.40 hours 3623.00 Ng cycles 0.00 starts
Torque Events: 3356.00
RINs: 110020.00

Aircraft Registration: N8375F

Date: 04/28/2020 Page: 5 of 6

DONE BY

[[REDACTED]]

Clean, inspect tail rotor blades, hub, and pitch control linkage for free movement, obvious damage, wear and security. Rubber stop for condition and wear. Inspect tail rotor blades for any cracks, leading edge strips for no separation, erosion/corrosion and general condition. Clean up corrosion/erosion.

71.00 Powerplant

DONE BY

[[REDACTED]]

Engine air inlet fairing free from damage. No delamination noted. Open bypass door and check visible portion of engine compressor inlet for foreign object damage. Entire area of air intake for cleanliness and foreign matter, paying particular attention for looseness of clamps, brackets tie-wraps, etc. inside plenum chamber. Check access door for proper installation. Bypass door operationally checked. Seals free from damage.

DONE BY

[[REDACTED]]

Entire engine for: loose bolts, fuel and air lines (b-nuts); loose or broken connections; accessories for security and broken or missing lockwire; accessible areas for obvious damage; Evidence of fuel and oil leaks

DONE BY

[[REDACTED]]

Fuel and oil lines for chafing, kinking and evidence of leakage. Oil coolers and cooler deflector for security and obvious damage.

DONE BY

[[REDACTED]]

Scavenge oil filter for extended bypass indicator.

DONE BY

[[REDACTED]]

Exhaust pipes for condition of welded joints, internal obstructions, cracks and buckling; joints for evidence of blow-by; hanger assembly for condition of support pads and spring, and security of attachment to fuselage.

DONE BY

[[REDACTED]]

Water rinse compressor IAW Rolls-Royce 72-30-00.

AIRWORTHINESS DIRECTIVE

DONE BY

[[REDACTED]]

AD-88-17-09 R1 / Service Bulletin EN-39, Part III. Examine Tail rotor transmission installation for security by checking the torque stripes for movement of the transmission (cracks in torque paint), fretting products, gapping between the faying surfaces and/or rotation of nuts and studs.

03/31/2021



ADDRESS:
8402 LARSON STREET
HOUSTON, TX 77061
PH: (832) 395-1995

N75F 25HR 4-28-2020

WORK PACK

1753



Airframe: 4749.40 hours 0.00 cycles (LDGS) 0.00 landings
Engine 1: 4749.40 hours 3623.00 Ng cycles 0.00 starts
Torque Events: 3356.00
RINs: 110020.00

Aircraft Registration: N8375F

Date: 04/28/2020 Page: 6 of 6

Mission Equipment

DONE BY

[[REDACTED]]

Spectrolab SX16 Nightsun Searchlight: Inspect cover screws for tightness, Clean front glass if required, Inspect rubber baffle for cracks and adhesive bond, Inspect reflector for cleanliness, Inspect housing elevation drive bosses for cracked welds, Inspect wiring, boots and connector, Inspect azimuth end cap for torque and condition, Inspect gearbox, wing bolts and safety cables, Inspect wiring cables, and light assembly for attachment.

DONE BY

[[REDACTED]]

Clean & Inspect Downlink Antenna using Contact cleaner

DONE BY

[[REDACTED]]

AERO PACIFIC MODEL AP500UM03R Right Side Dual Utility Mount- for Condition and FLIR 380HDc and SX-16 Night Sun for security and attachment.

DONE BY

[[REDACTED]]

FLIR 380HDc TFU-Turret FLIR Unit (Camera) Check Humidity Indicator for two or more sections of the indicator are dark pink (not blue) if so replace Desiccant P/N 4115708

03/31/2021