| COMPONEN | NAME 7 | 00 | FARPO | X |
|------------|---------|-----|--------|---|
| PART NUMBE | 1 | 040 | 012-13 | |
| SERIAL NUM | BER B13 | 242 | IF | |
| PAGE | OF | 2 | | |

COMMERCIAL HISTORICAL SERVICE RECORD

| | | INSTALL | ATION DATA | | | NEXT SCHED. | | | REMO | OVAL DATA | | | |
|-------------------|----------------|------------------|---------------------|--------------------------------|---------------|--|------------------------|------------------|----------------|------------------|----------------|---------------------------------------|---------------------------|
| DATE | INSTALLED ON | ВУ | INSTALLED | сом | P. HRS. | O/H RET | DATE | REMOVED AT | SINCE | SINCE | RE/ | ASON FOR REI | MOVAL |
| | A/C SERIAL NO. | (ACTIVITY) | AT A/C HRS. | SINCE NEW | SINCE O/H | A/C HRS. / DATE | | A/C IIIIS. | NEW | O/H | | | |
| | | | 5342.0 | 46590 | 0.10 | | | | | | | | |
| APR 10 | 6413880 | Wredeo VSC | 13,964,5 | 4659.0 | 0.0 | 1200 | 6 Sept 12 | 14,374.8 | 5069.3 | 410.3 | Foili Conti | ng Service. | bility (K.) Det lebris |
| 13./12 | 69-15911 | APH | 11702.8 | 5069.3 | 4103 | 1300 | | | | | | | |
| - | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | |
| | ** | HISTORY | OF INSPECTION | , OVERHAUL, RI | EPAIR AND APP | LICATION OF TECHNIC | AL BULLETIN, S | ERVICE BULLETI | N, AIRWORTHINE | SS DIRECTIVES, E | TC. | | |
| COMPONENTOTAL TIM | | si | | DESC | RIPTION OF WO | ORK ACCOMPLISHED | | | 0.40 | | | LED WITH BY | |
| TOTAL TIM | | **** **** | O D I TO D I TO D I | | | | DD WITTH | COT 07 01 | | SIGNA | TURE | CERT. NO. | DATE |
| - | | | ONENT E | | | OF's COMPLE R SOEs | ED WITH | SOE-87-03 | | | | | 10-24 |
| | + | " CIL, CII | LCIVID II | IID TOOK | DOILIB | 2001,0 | | | - | _ | | | - |
| | | | | | | AULED I/A/W | | | 55- | _ | | | + |
| | 16 | 15-127, NI | T COMP | LIED WIT | H AGUIL | A NDT FAA F BE IN AN AIR | WORTH | CONDIT | ION - | | | | - |
| | | | URNED 1 | | | | 77 (72422) | COLLEGE | | - | | | - |
| =0.101.2 | | | | | | | F 11 / | 5 11 | CHIS | 1/ A (| 1 | 3.00 | 1 (-#) |
| 5069.3 | 1 | | | | | connection, | | | | | 1 | | 63911 |
| 1492 | Removed a | nd replaced wi | th seal P/N 21 | 2-340-100-103 FF: HPI WO #1 | 07788 for act | 55-1560-127 chap. a rual work performed | 4, par. 4-1 tnrt I. | 1 4-15, pages 4- | -1 thru | | 20/ | · · · · · · · · · · · · · · · · · · · | Wholis |
| 0001-3 | 4-20.2, Clid | J. 10, uateu. 2: | 7 April 200 A II | | | | | | | 1 | | | 141417 |
| | | | | | | | | | | | | | |

| | Gre GEARL |
|----------------|------------------|
| COMPONENT NAME | 10 OFAFELSX |
| PART NUMBER | 2017-040-012-015 |
| SERIAL MUMBER | 013-24215 |
| PAGE | _ OF |

Bell Helicopter TEXTRON

POST OFFICE BOD 462 - FORT WORTH, TESAS 78181

HISTORICAL SERVICE RECORD

NOTICE: WHEN RETURNING ANY LIMITED
LIFE COMPONENT TO BHTI FOR ANY
REASON IT IS MANDATORY THAT A VALID
HISTORICAL SERVICE RECORD ACCOMPANY
THE COMPONENT.

| | | INSTALLA | ATION DATA | | | A/C HOURS SCH. FOR | | F | REMOVAL D | ATA | |
|--------|------------|------------|-------------|-----------|-----------|-----------------------|--------|-------------|-----------|-----------|--------------------|
| | INSTALLED | ВУ | INSTALLED | COMP | . HRS. | O/H | DATE | REMOVED | СОМР | . HRS. | REASON FOR |
| DATE | ON A/C NO. | (ACTIVITY) | AT A/C HRS. | SINCE NEW | SINCE O/H | HRS. / DATE | | AT A/C HRS. | SINCE NEW | SINCE O/H | REMOVAL |
| 4-1-06 | NESICH | CHI | 3577.3 | 3653.0 | 8 | | 6/1/09 | 45833 | 4659 | 1006 | CONTACT REGOIRE |
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TECHNICAL DIRECTIVES AND HISTORY OF OVERHAUL

| TIME /DATE | | COMPLIAN | CE |
|-------------|---|---------------|---------------------------------------|
| EFFECTIVITY | | BY (ACTIVITY) | DATE |
| | DUERHAULED FLAND DMWR 55-1360-12) FOR DEING SEE | | 76 |
| | WO# 50383 | | 1 |
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| | | ESSECTIVITY | TIME/DATE EFFECTIVITY BY (ACTIVITY) |

| # | DARAGO) (CSCFF | TED CO | PI) | SECTIO | roponent agency is DC | ION | | CSGLD | -1052(R3) |
|----------------------|-------------------------------------|------------------|---------------------------------------|----------|---------------------------|---------------------------------------|----------|-----------------------|-----------------------|
| | ONTROL NUMBER | | N NOMENCLATUR | RE (Comp | 0) | 2. MODEL UH-1 | | ONAL ST | |
| В | 13-2421E | 5. MAN | UFACTURER'S CO | | 6. PART NO. 204-040-01 | | 7. USAG | SE SINCE NST (hrs) | 8. FAILURE CODE 79 |
| 9. | FOR AIRCRAFT COMPONENTS | a. PRIO (No.) | R OVERHAULS | b. USA | AGE SINCE NEW(hrs) | HAUL (hrs) | | 10. WUC | 1 |
| _ | ONLY | 1 | | | 3653 | Ø | | 960 | GØ1 |
| | | | | SECTIO | N IV - INSTALLATIO | | | | |
| 30. I | NSTALLED ON (nou | n nomen) | 31. MODEL | 32. NA | ATIONAL STOCK NO. | 33 a SERIAL NO. | 33 b. Al | RCRAFT | HOURS |
| 34. D | PATE INSTALLED | | 31. MODEL | 32. NA | ATIONAL STOCK NO. | 33 & SERIAL NO. | 33 b. Al | | HOURS TO |
| 34. D Julia | DATE INSTALLED | 35. ORG | SANIZATION | 32. NA | ATIONAL STOCK NO. | 33 & SERIAL NO. | 33 b. Al | 37. MAN | HOURS TO |
| J4. D Julia | DATE INSTALLED | | ACTION | 32. NA | ATIONAL STOCK NO. | 33 a SERIAL NO. | 33 b. Al | 37. MAN | HOURS TO |
| Julia | DATE INSTALLED INSPEC | 35. ORG | ACTION d. REBUILT | 32. NA | ATIONAL STOCK NO. | 33 & SERIAL NO. | 33 b. Al | 37. MAN | HOURS TO |
| 34. D Julia 7. | DATE INSTALLED INSPECT | 35. ORG | ACTION | 32. NA | ATIONAL STOCK NO. | 33 & SERIAL NO. | 33 b. Al | 37. MAN | HOURS TO |
| 7. | INSPECT A SERVICEABLE b. REPAIRED | 35. ORG | ACTION d. REBUILT e. UNSERVICEA f. | 32. NA | ATIONAL STOCK NO. | 33 & SERIAL NO. 36. UIC 39. SIGNATURE | | 37. MAN | HOURS TO |

UA MAY 81 2410

INSTALLATION COPY 3

| GEARSHAFT, BEVEL | MODEL | | SERIAL NUMI B13-242 | BER | POT 204-040-012 PART-NSN 3040-00-918-2677 |
|---------------------|-----------------------|---------------------|------------------------|---------------|---|
| DATE ACCEPTED 92254 | TYPE WORK | | () RCM (| | ER-SPECIFY () MOD |
| | SECT | ION B - F | RECEIVII | | |
| UNIT ADDRESS | | UNIT IDENTITY | | DATE RECEIVED | DATE INSPECT |
| | | CONDITION () ADEQ. | () INADEQ | DEFECT QTY | REPAIR MH (EST) |
| DEFECT IDENTITY | | | PART-NSN | | ODR-ROD REPORT NUMBE |
| | | | | | |
| | | | | | |
| | | | | | |
| DATE | and the second second | INCE OFFICER | | | |

| | r No. 107788 | Date Received | 12-Nov-12 | Date Completed | 19-Nov-12 | |
|----------|--|----------------------------|---------------------------------------|----------------|---------------|------|
| Sustomer | KARL RENZ | Description 90 D | egree Gearbox | MFR/Model | Bell | |
| | | Part Number 204 | 1-040-012-013 | Serial Number | B13-2421F | |
| | | Total Time | 5,069.3 | Time Since O/H | 410. B | |
| TEM | LABOR INS | STRUCTIONS/INSPEC | | | MECH | INSF |
| 1 | Main Input Seal damage: Removed and replaced with seal P/I chap. 4, par. 4-1 thru 4-15, pages 4- TW # HPI49. Grease dated: April 20 | 1 thru 4-28.2, chap. 16, c | DMWR 55-1560-1 dated: 29 April 199 | 27 14. | | |
| 2 | Paint: Painted Gearbox P/N 204-040-012-0 4, par. 4-7 thru 4-50, pages 7-30, rev | | | пар. | | |
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| | ving National Availage uthority/Country | AUTHORIZED R | | | | 3. | 107788 |
|-----------|---|-------------------------------------|--|--|--|---|--|
| FAAL | UNITED STATES | FAA Form \$130-3. | AIRWORTHINESS | APPROVAL TA | iG | | |
| | ELIPONENT. | S Inc. FAA.1 | eicopter Authorized Repair Station XHCR Folcon Dove Mosa, IOJ 981-8309 - Fax pl | 788K Anzona 85215-2 | | 5. West Nims | Conden Contract/Invoice Der: 107788 |
| 6. liem. | 7. Description | 8. Part Nareber | 9. Eligibility | 10. Quantity: | 11. Senal Batch Nu | eniper | 12.Status/Work: |
| 1 | 90 Degree Gearbox | 204-040-012-013 | N/A | 1 | B13-2421F | | REPAIRED |
| 14. | | ere manufactured in contornally to: | Gernand / and / Fude setun | ies that unless of tescribed in Block | erwsg specificitin (A 13 was accomplished | her rage ock 10 to to access other was | dation specified in Block 13 be work stentified in Block 12 between Title 14. Code of its the items are approved for 1. Approvel/Certificate Number |
| 10.500 | norized Signature. | 10. SQIAOVAUSAIGIO IZA | HANGING. | | - | 1 | 1. Approvancermicate Namber |
| 17 N | ne (Typed or Printed) | 18. Date (m/th) | 22. Name | (Typed or Printer | () | 2 | 3 Date (m/d/y): |
| 17. IVAII | | | | Chad Barta | | | Nov 19, 2012 |
| U. Nati | | User/li | nstaller Respons | | | | Nov 19, 2012 |

- 1. COMPLIED WITH PHASE INSPECTION # 2 IAW US ARMY MANUAL TM55-1520-210PM.
- 2. COMPLIED WITH DAILY PMD INSPECTION, 25 HOUR, 50 HOUR LUBE REQUIREMENTS IAW US ARMY MANUAL TM55-1520-210-23-1. ALL COMPONENTS LUBED WITH MOBILJET 28.
- 3. COMPLIED WITH 12M/600 HOUR TAIL ROTOR DRIVE SHAFT HANGER BEARINGS, T/R GEARBOX COUPLING,42 DEGREE GEARBOX COUPLING AND TRANSMISSION OUTPUT COUPLING GREASE REPACK WITH BELL GREASE P/N 204-040-755-5 & INSPECTIONS.
- 4. COMPLIED WITH THE FOLLOWING AIRWORTHINESS DIRECTIVES
 - 83-03-03 100 HOUR INSPECTION, NEXT DUE AFTT 11,991.9.
 - b. 2013-13-06 25 HOUR, 1200 HOUR/24 MONTH GRIP INSPECTIONS. NO DEFECTS NOTED.
- 5. TAILBOOM INSPECTED IAW FAA SAIB SW-18-29. NO DEFECTS NOTED. NEXT DUE IN 100 HOURS AT 11,991.9. NO DEFECTS NOTED.
- 6. COMPLIED WITH 12M FIRE EXTINGUISHER WEIGHT CHECK. NO DEFECTS NOTED.
- 7. COMPLIED WITH 12 MONTH INSPECTION OF THE MAGNESIUM CLEVIS END OF THE DROOP COMPENSATOR JACKSHAFT ASSEMBLY. NO DEFECTS NOTED.
- 8. COMPLIED WITH US ARMY MM 300 HOUR SLOPPY LINK HYDRAULIC SERVO PLAY CHECK ON ALL 3 SERVOS. NO DEFECTS NOTED.
- 9. COMPLIED WITH US ARMY MM 50 HOUR LIFT LINK & ATTACH POINT INSPECTION. NO
- 10. COMPLIED WITH US ARMY MM 100 HOUR/120 DAY VOLTAGE REGULATOR CHECK, NO DEFECTS NOTED.
- 11. COMPLIED WITH UH-1-12-AMAM-02 TAILBOOM LONGERON INSPECTION. NO DEFECTS NOTED. NEXT DUE IN 25 HOURS AT AFTT 11,916.9
- 12. COMPLIED WITH US ARMY MM 150 HOUR ODDS/CHIP DETECTOR SYSTEM INSPECTION. NO DEFECTS NOTED.
- 13. COMPLIED WITH US ARMY MM 1200 HR/24 MONTH 90 DEGREE GEARBOX CORROSION INSPECTION. NO DEFECTS NOTED.
- 14. REMOVED BHT 42 DEGREE TAIL ROTOR GEAR BOX, P/N 204-040-003-37, S/N B13-25-23 FOR AD 95-10-08 TERMINATING ACTION.
- 15. INSTALLED BHT 212 42 DEGREE GEARBOX P/N 212-040-003-007 S/N AHP-06064 T.S.N. UNK, TSO: 39.0. TERMINATING ACTION FOR A.D. 95-10-08 AND IS NOW N/A.
- 16. COMPLIED WITH US AMRY MM 12M FIRE WARNING/DETECTION SYSTEM INSPECTION/CHECK.
- 17. COMPLIED WTH US ARMY MM 12M OAT GAUGE CHECK IAW TM 11500204234.
- 18. INSPECTED GARMIN 430W IAW WITH GARMIN 400W SERIES ICA DOCUMENT NUMBER 190-00356-65 Rev. B. DATABASE UPDATED TO CURRENT CYCLE. NO DEFECTS NOTED.
- 19. COMPLIED WITH US ARMY MM 12M MAGNETIC COMPASS FOR DISCOLORATION OF LIQUID AND PROPER CALIBRATION IAW TM 11500204234.
- 20. COMPLIED WITH US ARMY MM 12M BLEED AIR HEARTER OPERATIONAL CHECK/INSPECTION.
- 21. COMPLIED WITH AVIATION DEVELOPMENT CORPORATION 200 HOUR EXTERNAL OIL FILTER INSPECTION IAW DOCUMENT ICA REPORT FMT021M. NO DEFECTS NOTED.
- 22. COMPLIED WITH PRECISE FLIGHT 12M PULSE LIGHT ICA INSPECTION IAW PRECISE FLIGHT ICA DOCUMENT 000PMAN0002, REV E, DATED JUNE 24th, 2008.
- 23. REMOVED CARGO HOOK PN# 528-020-04 SN# 44 FOR OVERHAUL BY ONBOARD SYSTEMS. OVERHAUL PERFORMED UNDER W.O.# 44-WO64496-1. SEE 8130-3 DATED 1-29-2019 ONBOARD SYSTEMS. REINSTALLED CARGO HOOK.
- 24. ALL FUELS CELL CLEANED AND INSTALLED ALL NEW AIRFRAME FUELS LINES. NEW AIR FRAME FUEL FILTER ELEMENT INSTALLED. NEXT DUE IN 150 HOURS AT AFTT 12,041.9.
- 25 ENGINE OIL TRANSMISSION, TAIL ROTOR & 42 GEARBOXS OIL DRAINED AND SERVICED DAI Duralator Facet P/N 047546-02. GREASED

CHD 901.10 (C

HELICOPTER LOG RECORD SHEET

085491

| N | MODEL | | extron Comp | | S/N | TER LOG KE | | | | | STRATI | ION | | |
|-----|--|-----------|---|---|--|---|--|--|---------------------------------------|---|---|---|---|-------|
| | | | | | | | | | | | | | | |
| (1) | JO | URNEY | | CREW | | ORD OF TIME | | | CYC | CLES | | | SIGNATUR | E |
| | DATE | PO DEP | INT OF ARTURE AND INATION | NAMES | AIR TIME | TOTAL AIR TIME SINCE MANUFACTURE | (6) STARTENGI | START ENG 2 | (8) L A N D N G | OR QUE EYENT | (10) H O I S T O P E N | (11) | PILOT & LICENS | E NO. |
| | | HOBBS | REMOV FOR CO 150-101 | ED M/R HUB NVENIENCE SN AFS-442 1 | , REINSTA ISN 2617.5 | | & S/ | N's. R | EMO | VED | M/R | BLAI | DES PN# 205-015- | |
| | TOTAL AIR ENGINE F | 27. | 8130-3 D WITH TI INSPECT REMOVI 204-011- ROTOR | DATED 2-20-1 HE REQUIRE FION. COMP ED TAIL RO' 722-005, S/N BLADES P/N | 9, RETNST D US ARM LIED WITH FOR HUB 1 A3-31078. 204-011-70 | DE, INC. FOR REF FALLED SAME M/ IY MM MRB 600 F H TRACK & BALA P/N 204-011-801-17 TSN 1444.8 AND (02-15, S/N's ATR-7 | R BLA IOUR NCE , S/N GRIPS 3769 | ADES SECUINSTA ABA- P/N 3 | JRE I ALLA 5333 104-0 | IS INS BALL ATION 3 FOI 11-71 R-723: | SPEC AST N REC R RET 1-10. | TION WEIC QUIR FIREM REM OR RE | COMPLIES GHT EMENTS MENT. YOKE P/N OVED TAIL | (20) |
| T | TOTALS BROKE TOTALS FOR ACCUMULATE | | INSTALI S/N A3-3 S/N ATR | LED T/R HUE 30387 TSN 74 -74218 TSN: | 3 P/N 204-0 7.0, TAIL F 792.0. TAII | 1-711-101 S/N's IM 011-801-17, S/N AH ROTOR BLADES P L ROTOR GRIPS P | L5016 /N 204 /N 205 | 5, TA 1-011- 5-011- | IL RC 702- 711- | OTOR 15, S/ 101 S/ | YOK N FS- N's I | E P/N 15910 MPT- | TSN 778.0, & 4866, TSN 303.0 | |
| T (| NEXT SCHED NSPECTION TYPE INSPEC 50 HR., 100 H ANNUAL INSP DUE DATE | 28. | REQUIR REMOVI 8242.3, P TSN:490. INTL CO INSTALI | EMENTS ED LOANER ET CYC 1352.9 .0 TSO:490.0 DRP, FAA CRS LED IAW MIN | ENGINE P 9, COMP C TSHSI 0.0. 8 835R048I NUTEMAN | MPLIED WITH TR IN T53L-703 SN# I YC 6918.7 INSTAI GP CYC, PT CYC, D, WO R2345. SEE I AVIATION STC S H MINUTEMAN I | E109 LLED COM FAA SR011 | 01Z T REP/ P CY/ 8130 96LA | SN 5 AIRE C 364 3 DA' ANE | 230.8 D T53 15.4 R TED D M.A | TS0: 3-L70 EPA1 11/14/ REF | 1783 3 S/N RED 18. E | 6. GP CYC 12505Z. BY CAPPSCO, NGINE MA006, REV 1. | PA. |
| (24 | FLIGHT DISCREPA | | REMOVE LOCATION REPLACE | ON. COMPLICEMENT DU | AND INST ED WITH I E 10/24/20 | | ELT | INSP | ECTI | ON. E | BATT | ERY | | .# |
| 1 | ACTION TAKEN | 30. | | | | H SKID CROSS T 2-UHT-ICA, REV F | | | | | ONTI | 1 INS | PECTION IAW | |
| 2 | ACTION TAKEN | | MAIN RO | OTOR MAST | NUT DUE FLIGHT & | MY TM55-1520-23- RETORQUE IN 3 t TRACK AND BAI ED FOR RETURN | o 5 H | OURS E RE | BY QUIR | 11,90 | | | | |
| 3 | ACTION TAKEN | | | | | | | | | | | | | |
| 4 | ACTION TAKEN | | Earnest C | Green A&P | | | | | Ė | | | | | |

WEAR CONTAMINATION FLUID CONDITION **ABNORMAL** NORMAL NORMAL

BELL UH-1H N3276T - 90 DEGREES

Component Gearbox Fluid

| RECOMMENDATION | Test | UOM | Method | Limit/Abn | Current | History1 | History |
|---|-------------------------|-----------|-------------|-----------|-------------|----------|-----------------|
| | Sample Number | | | | GF04874620 | ian ' | - |
| No corrective action is recommended at this time. Resample at the next service interval to monitor. | Sample Date | | | | 17 Dec 2019 | Nesc. | (100) |
| ioxi del vide intervar le monter. | TSN | hrs | | | 0 | | - |
| | TSO | hrs | | | 0 | | - |
| | Oil Age | hrs | | | 0 | | |
| | Filter Age | hrs | | | 0 | **** | 200 |
| | Oil Changed | 1110 | | | Not Changd | 222 | 227 |
| | Filter Changed | | | | Not Changd | | |
| | Sample Status | | | | ABNORMAL | alsi | 144 |
| <u></u> | | | | | | | ••••• |
| VEAR | Iron | ppm | ASTM D5185m | >30 | 19 | Sec | 940 |
| The copper level is abnormal. The aluminum level is abnormal. | Chromium | ppm | ASTM D5185m | >4 | 1 | *** | - |
| The copper level is abnormal. The aldiniman level to abnormal. | Nickel | ppm | ASTM D5185m | >5 | 1 | 1000 | 100 |
| | Titanium | ppm | ASTM D5185m | | <1 | - | - |
| | Silver | ppm | ASTM D5185m | >5 | 0 | 200 | 200 |
| | Aluminum | ppm | ASTM D5185m | >8 | <u>~</u> 12 | = | - 252 |
| | Lead | ppm | ASTM D5185m | >10 | 6 | 1000 | 100 |
| | Copper | ppm | ASTM D5185m | >8 | <u> </u> | | *** |
| | Tin | ppm | ASTM D5185m | >4 | <1 | 9000 | 100 |
| | Vanadium | ppm | ASTM D5185m | | 0 | She | - |
| | White Metal | scalar | *Visual | NONE | NONE | : | - |
| | Yellow Metal | scalar | *Visual | NONE | NONE | 22 | - |
| | | | | | | | |
| CONTAMINATION | Silicon | ppm | ASTM D5185m | >10 | 5 | Calabi | - |
| There is no indication of any contamination in the oil. | Potassium | ppm | ASTM D5185m | >20 | 8 | 1555 | 575 |
| | Silt | scalar | *Visual | NONE | NONE | 1000 | 5.40 |
| | Debris | scalar | *Visual | NONE | NONE | :555 | 200 |
| | Sand/Dirt | scalar | *Visual | NONE | NONE | 19940 | 1990 |
| | Appearance | scalar | *Visual | NORML | NORML | (since | 1434 |
| | Odor | scalar | *Visual | NORML | NORML | (999) | |
| | Emulsified Water | scalar | *Visual | >0.2 | NEG | | (here) |
| LUD CONDITION | | eritetti. | LOTIL DELCE | | | | 7.7.1.1.7.7.7.7 |
| LUID CONDITION | Sodium | ppm | ASTM D5185m | | 4 | (Appen) | (Account |
| The condition of the oil is acceptable for the time in service. | Boron | ppm | ASTM D5185m | | 15 | 1555 | - |
| | Barium | ppm | ASTM D5185m | | <1 | 2000 | 5-4- |
| | Molybdenum | ppm | ASTM D5185m | | 0 | .555 | C. |
| | Manganese | ppm | ASTM D5185m | | 6 | 4-4 | bet |
| | Magnesium | ppm | ASTM D5185m | | 25 | = | 3000 |
| | Calcium | ppm | ASTM D5185m | | <1 | *** | 270 |
| | Phosphorus | ppm | ASTM D5185m | | 2932 | | -20 |
| | Zinc | ppm | ASTM D5185m | | 10 | 1000 | (600) |
| | Sulfur | ppm | ASTM D5185m | | 67 | 14.22 | 222 |
| leport Id: ROTVAN [WUSCAR] 04874620 (Generated: 04/20/2020 11:01:50) | Visc @ 40°C | cSt | ASTM D445 | | 24.6 | 1990 | 100 |





| N: | 3276T | UH-1H | S/N: 69-1 | 15911 | | | |
|-------|------------|-----------------|-----------|---------|-------|-------------------|-------|
| DATE: | 02/27/2020 | A/C TT: | 11924.1 | ENG TT: | 522.2 | LANDINGS; | 10336 |
| W/O: | 20180 | PANEL HOBBS: | 221.3 | STARTS: | 401 | CONSOLE HOBBS: | 79.1 |

- DRAINED AND FLUSHED 90 DEGREE GEARBOX DUE TO DISCOLORED OIL. GEARBOX RE-SERVICED WITH NEW MOBIL JET II OIL.
- REMOVED 90 DEGREE GEARBOX SIGHT GLASS AND INDICATOR. INSTALLED NEW SIGHT GLASS P/N 204-040-514-001, INDICATOR P/N 204-2. 040-508-009 AND O-RING P/N M83248/1-218.
- ROTATING BEACON REPORTED INOPERATIVE, DISASSEMBLED AND CLEANED INTERIOR OF BEACON, REPLACED LIGHT BULB. SATISFACTORY OPERATIONAL CHECK PERFORMED.
- RIGHT HAND FUEL BOOST PUMP LIGHT ILLUMINATED. REMOVED RIGHT HAND FLOOR, OPENED FUEL CELL, CLEANED EJECTOR PUMP, CLOSED FUEL CELL AND INSTALLED FLOOR. SATISFACTORY OPERATIONAL CHECK PERFORMED.
- OIL SAMPLES TAKEN FROM THE FOLLOWING AND SENT FOR ANALYSIS: 90 DEGREE GEARBOX, 42 DEGREE GEARBOX, TRANSMISSION, HYDRAULIC SYSTEM, AND ENGINE.
- REMOVED MAIN ROTOR HUB & BLADE ASSEMBLY AND DISASSEMBLED TO FACILITATE MAINTENANCE. REASSEMBLED MAIN ROTOR HUB AND BLADES. ALIGNED AND STATIC BALANCED MAIN ROTOR HUB AND BLADE ASSEMBLY. REINSTALLED MAIN ROTOR HUB AND BLADES.
- MAIN ROTOR GRIPS P/N 204-011-121-113 S/N'S AFS 3838 (RED) AND AFS 3360 (WHITE), WERE INSPECTED PER AD 2013-13-06, PARA (e) (3) INSPECTION OF GRIP BUFFER PAD ON THE INNER SURFACE OF EACH GRIP TANG FOR DELAMINATION & CORROSION - EACH GRIP WAS FOUND SERVICEABLE. AD 2013-13-06 PARA (e) (3) - BUFFER PAD INSPECTION, NEXT DUE AT ACTT: 13,124.1 OR FEB-2022.
- MAIN ROTOR BLADE P/N 205-015-150-101, S/N A-FS442 (RED) WAS REMOVED, INSPECTED AND REPAIRED BY HELIBLADE INC. UNDER WORK ORDER NUMBER 3276 AND REINSTALLED. (TSN: 2649.7)
- MAIN ROTOR BLADE P/N 205-015-150-101, S/N A-FA490 (WHITE) WAS REMOVED; INSPECTED AND REPAIRED BY HELIBLADE INC. UNDER WORK ORDER NUMBER 3275; AND REINSTALLED. (TSN: 416.7)
- 10. REPLACED ROD END BEARINGS P/N 204-011-119-001 ON BOTH MAIN ROTOR PITCH CHANGE LINKS DUE TO WEAR.
- RETENTION HARDWARE, AN503-8-12 SCREWS, MS21042L08 NUTS, & NAS1149FN832P WASHERS ON BOTH MAIN ROTOR BLADE BOLT NUTS WERE REPLACED DUE TO WEAR.
- 12. SAFETY WIRE BETWEEN TRANSMISSION DRAIN PLUG AND CHIP DETECTOR HOUSING REINSTALLED IN CORRECT DIRECTION.
- REMOVED ACK AVIONICS TECHNOLOGIES INC., E-04, EMERGENCY LOCATOR TRANSMITTER (ELT) S/N 025769 WITH MOUNTING BRACKET; ELT ANTENNA E-04.8 AND REMOTE CONTROL SWITCH E-04.5 WITH AUDIO ALERT UNIT E-04-7-1. INSTALLED AN ARTEX PRODUCTS ME406HM ELT, S/N 242-07933, (HEX I.D. ADCC407BF4003C9), MOUNTING BRACKET, AND AUDIBLE ALERT BUZZER; ELT ANTENNA, P/N 110-338, S/N 610518. REFER TO FIELD APPROVED RSI FAA FORM 337 DATED 02-27-2020 FOR DETAILS. ELT BATTERY REPLACEMENT DATE JAN 2027.
- 14. PERFORMED ELT TEST PER FAR 91.207d PER 12 MONTH REQUIREMENTS.
- 15. INSTALLED A 9 PIN, "MS" BULKHEAD CONNECTOR. REFER TO FIELD APPROVED RSI FAA FORM 337 DATED 02-27-2020 FOR DETAILS.
- 16. BUCKET SWITCH REPORTED TO BE INOP VERIFIED CORRECT OPERATION OF BUCKET RELEASE SYSTEM AFTER 9 PIN CONNECTOR INSTALLATION.
- 17. REMOVED THE EXISTING FUEL CAP ASSEMBLY, P/N 415-50. INSTALLED A NEW AERONAUTICAL ACCESSORIES, LOCKING FUEL CAP KIT P/N 212-280-002, WHICH CONTAINS FUEL CAP ASSEMBLY P/N 206-701-201, S/N 2125. REFER TO FIELD APPROVED RSI FAA FORM 337 DATED 02-27-2020 FOR DETAILS.
- 18. REPLACED WORKING RIVETS ON AFT TAILBOOM BULKHEAD REFERENCING BELL STRUCTURAL REPAIR MANUAL, BHT-ALL-SRM, REVISION 1, CHAPTER 3, TYPICAL PROCESSES AND REPAIR PROCEDURES.
- 19. INSTALLED A NEW FORWARD MOST NUTPLATE AT THE AFT RIGHT HAND CROSSTUBE RETENTION CAP DUE TO WEAR.
- 20. TRACKED AND BALANCED MAIN ROTOR BLADES TO ACCEPTABLE LIMITS PER TM 55-1520-210-23, CHANGE 47, CHAPTER 5, SECTION IX WITH CHADWICK EQUIPMENT.
- 21. REPLACED BOTH LUBRICATION FITTINGS WITH NEW P/N NAS516-1A AT MAIN ROTOR TRUNNION DUE TO RESTRICTION WHILE GREASING.
- INSTALLED NEW SHIMS P/N 120-008C58E29, BETWEEN MAIN ROTOR BLADES AND DRAG BRACE CLEVIS.
- LUBRICATED, CLEANED AND ADJUSTED RIGHT HAND CREW DOOR DUE TO DIFFICULT TO OPEN.
- PERFORMED A 25 HOUR & 50 HOUR LUBRICATION.
- CARGO ASSEMBLY REMOVED AND REINSTALLED. VERIFIED CORRECT OPERATION OF MANUAL AND ELECTRICAL CARGO RELEASE FUNCTION.
- REVISED WEIGHT AND BALANCE CHART C.
- SATISFACTORY GROUND RUN AND LEAK CHECK PERFORMED. 27

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