



ROBINSON®

HELICOPTER COMPANY

2901 Airport Drive, Torrance, California 90505

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

SECTION 3

MAJOR ALTERATIONS

Serial Number	Registration	Manufacturer	Model	Date of Manufacture
0423	N6QH	ROBINSON HELICOPTER CO.	R66 TURBINE	08/27/2013

Date:	March
Aircraft TT:	40.13
Airframe SN:	0423
N#:	N6QH

Installed Dart Aerospace Robinson R66 Emergency Float Kit IAW Supplemental Type Certificate number SR02484L.A. Updated weight and balance sheet in POH. Added manual supplement to POH. Filled form 337.

March 6, 2014
40.13
0423
N6QH

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R66 AIRFRAME MAINTENANCE RECORD

SECTION 5

AIRWORTHINESS DIRECTIVES AND MANUFACTURERS SERVICE DOCUMENTS

Serial Number 0423	Registration N6QH	Manufacturer ROBINSON HELICOPTER CO.	Model R66 TURBINE	Date of Manufacture 08/27/2013
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Date	Authorization
08/27/2013	 RHC PC424MVE

Airworthiness Directive or Service Document Number	Item Affected	Date of Compliance	One-Time or Recurring	Next Due	Comments - Description
SB 10	Hanger Bearing Assembly	10/14 HOURS DATE	1 Time	N/A HOURS DATE	Previously Complied With FSH Maintenance LLC BSU 6FSR721B 200 TA SIGN
SB 11	Tail Rotor Gear Box	193.06 05.29.2015	1 Time	N/A	Replaced B563-2 Sighting with B563-4
SB 12	Landing Gear	193.06 05.29.2015	1 Time	N/A	Installed D10-7 nuts, drilled out holes in each cross tube and installed plastic main caps
SB 13	Main Rotor Blades	193.06 05.29.2015	1 Time	N/A	Modified the transition at the chord increase to reduce the stress concentration
SB 14	TRDS Fluid Bearing	269.80 7.21.16	Recur	369.80 7/17	Installed F10-2 retaining F172-1 bearing
SB 15	G500H	N/A	N/A	N/A	N/A by ACFT SN
SB 16	F642-1 Shaft	N/A	N/A	N/A	N/A by ACFT SW
SB 16	F642-1 Shaft	N/A	N/A	N/A	6FSR721B 200 TA
SB 17	MAGS Output Yoke	269.80 7.21.16	1 Time	N/A	FSH Maintenance LLC 6FSR721B 200 TA SIGN
SB 18	Packing Olay				Increased plus torque + installed additional lockwire 6FSR721B 200 TA

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R66 AIRFRAME MAINTENANCE RECORD

SECTION 9

SCHEDULED MAINTENANCE

Serial Number	Registration	Manufacturer	Model	Date of Manufacture
0423	N6QH	ROBINSON HELICOPTER CO.	R66 TURBINE	08/27/2013
Date	Helicopter Time in Service	FLIGHT TEST		Authorization
8/25/13	4.26	FAA Production Flight Test Satisfactory		RHC PC #424WE <i>Paul Schneiders</i>

AIRWORTHINESS CERTIFICATE

Date	Helicopter Time in Service	Authorization
8-27-2013	4.26 Hours	I find that this rotorcraft meets the requirements for the certification requested and have issued a Standard Airworthiness Certificate dated 8-27-2013

MARTIN P. SCHNEIDER
ODA606172NM

Authorized Signature & Number ...

The Article and / or component identified was repaired in accordance with current Federal Aviation Administration Regulations and was found to be airworthy and is approved for return to service, with respect to work performed. Repair Station No. 93-84

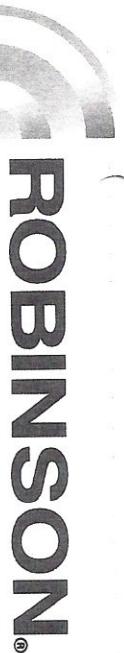
Aircraft TT: 0423

Airframe SN: N6QH

N#: W.O. 148
Performed Annual Inspection IAW RHC Inspector/Annual Inspection Checklist. Replaced F771-1

air filter. Cleaned MRGB and TRGB chip detectors. Inspected ELT per 14 CFR 91.207.d.

Performed maintenance flight, hover 18 @ 5.11. Replaced nutplate MS21075L08E on lower rib of mast fairing. Cleaned TRGB sightglass. Replaced F651-2 main rotor gearbox oil filter. I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.



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SECTION 9

SCHEDULED MAINTENANCE (Continued)

Serial Number 0423	Registration N6QH	Manufacturer ROBINSON HELICOPTER CO.	Model R66 TURBINE	Date of Manufacture 08/27/2013
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AIRWORTHINESS CERTIFICATE		Authorization _____ SIGN _____
Date	Helicopter Time in Service	
_____	_____	The following seal / or some other identification shall be placed in accordance with regulations.

The Article and / or component identified was repaired in accordance with current Federal Aviation Administration Regulations and was found to be airworthy and is approved for return to service, with respect to work performed. Repair Station No.

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INR.
W.O. NO. 244 Inspector: Bob T. 5/29/15

I conducted a visual inspection IAW R66 MM Annual Inspection Checklist. Replaced R711 air filter. Inspected ELT per 14 CFR 91.207.d. Complied with SB11 Tail Gearbox Sight Gage by replacing B563-2 sightgage with B563-4. Complied with SB12 Landing Gear Attach Nuts by installing D210-7 nuts, drilling vent holes in cross tubes, and installing plastic rain caps to facilitate inspection. Complied with SB13 Main Rotor Blade Modification by modifying the transition at the chord increase to reduce the stress concentration. Replaced C654-2 danger decals on empennage. Replaced 110-2 telatemp on TRGB. Performed MR track and balance check IAW R66 MM Sec 18-12. Hover .08 IPS @ 5.46. I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.

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R66 AIRFRAME MAINTENANCE RECORD

SCHEDULED MAINTENANCE (Continued)

SECTION 9

Serial Number	Registration Heli 0423	Manufacturer ROBINSON HELICOPTER CO.	Model R66 TURBINE	Date of Manufacture 08/27/2013
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Date of Completion	Time it Heli Completion	Date: 269.80	Aircraft TT: 0423	Approval for Return to Service, with respect to work performed. Repair Station No. 6FSR721B
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The Article and / or component identified was repaired in accordance with current Federal Aviation Administration Regulations and was found to be airworthy and is approved for return to service, with respect to work performed. Repair Station No. 6FSR721B

N#:
W.O.
338

Inspector:

7/21/16

Performed Annual Inspection IAW RHC Annual Inspection Checklist. Replaced F771-1 air filter. Inspected ELT per 14 CFR 91.207.d. Complied with **SB14 Tail Rotor Drive Shaft** filter. Inspected ELT per 14 CFR 91.207.d. Complied with **SB14 Tail Rotor Drive Shaft** Forward Bearing by installing F110-2 telatemp on F172-1 bearing to facilitate inspection. Complied with **SB18 MRGB Output Yoke Retaining Plug** by increasing the plug torque and installing additional lockwire. Installed repaired F018-1R clutch assy IAW R66 MM Sec 63-12 part B. Clutch repaired by RHC due to leaking See W.O. # SO-270433. Installed engine shaft weldment IAW R66 Sec 63-10 part B. Checked balance of engine shaft IAW R66 MM Sec 18-72. Balance .04 IPS @ 10:00. Replaced F300-1 tip caps IAW R66 IPC Fig 62-1. Replaced D525-1 and C394-1 IAW R66 IPC Fig 52-5 and 52-11. Replaced B381-1 fire extinguisher IAW R66 IPC Fig 25-21. Replaced A950-3 fuel mixture cutoff guard IAW R66 IPC Fig 11-1. Replace A558-2 inspection cover IAW R66 IPC Fig 53-17. Replaced B415-2 starter solenoid IAW R66 IPC Fig 96-17. Replaced A785-38 starter /generator cooling hose IAW R66 IPC Fig 71-15. Replaced 110-2 telatemp on TRGB IAW R66 IPC Fig 65-9. I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.

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R66 AIRFRAME MAINTENANCE RECORD

SECTION 10

GENERAL MAINTENANCE

Serial Number	Registration	Manufacturer	Model	Date of Manufacture
0423	N6QH	ROBINSON HELICOPTER CO.	R66 TURBINE	08/27/2013

DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED (ICFR 43.9)		Authorization of Work Performed / Approval for Return to Service
Date of Completion	Helicopter Time in Service	SIGN CERT

The Article and / or component identified was repaired in accordance with current Federal Aviation Administration Regulations and was found to be airworthy and is approved for return to service, with respect to work performed. Repair Station No 6FSR721B

Date: July 23, 2014 Aircraft TT: 79.03 Airframe SN: 0423 N#: N6QH W.O. 145 Inspector: Bob To W.O. Removed radio Bendix/King 196A PN: 064-1054-60 SN: 35143 and sent to RHC for repair. Installed radio SN: 34039.

The Article and / or component identified was repaired in accordance with current Federal Aviation Administration Regulations and was found to be airworthy and is approved for return to service, with respect to work performed. Repair Station No 6FSR721B

Date: August 26, 2014 Aircraft TT: 96.74 Airframe SN: 0423 N#: N6QH W.O. 154 Inspector: Bob To Replaced B426-3 switch on MRGB. Performed run up. Ops check ok.

The Article and / or component identified was repaired in accordance with current Federal Aviation Administration Regulations and was found to be airworthy and is approved for return to service, with respect to work performed. Repair Station No 6FSR721B

Date: August 26, 2014 Aircraft TT: 96.74 Airframe SN: 0423 N#: N6QH W.O. 154 Inspector: Bob To Removed radio SN: 34039 and installed repaired radio SN: 35143. Radio repaired by Honeywell International Inc see w.o. # AP1368. Performed ops check-ok.

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R66 AIRFRAME MAINTENANCE RECORD

SECTION 10

GENERAL MAINTENANCE

Serial Number	Registration	Manufacturer	Model	Date of Manufacture
0423	N6QH	ROBINSON HELICOPTER CO.	R66 TURBINE	08/27/2013
Date of Completion	Time in Service	GENERAL MAINTENANCE DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED (CFR 43.9)		Authorization of Work Performed / Approval for Return to Service
		The Article and / or component identified was repaired in accordance with current Federal Aviation Administration Regulations and was found to be airworthy and is approved for return to service, with respect to work performed. Repair Station No. 6FSR721B		SIGN CERT

Date: October 9, 2014 Inspector: Bob P 10/9/14
Aircraft TT: 109.68 Airframe SN: 0423 N#: N6QH W.O. 160
Removed clock PN: MD90-8 SN: A13-10717 and installed clock Davtron 800 SN: D33849.
Performed ops check-ok.

Date: January 7, 2015 Inspector: Bob P 1/17/15
Aircraft TT: 130.01 Airframe SN: 0423 N#: N6QH W.O. 185
Performed Main Rotor Track and Balance IAW R66 MM Sec. 18-12. Hover IPS @ .05 at 5:45.

Date: February 13, 2015 Inspector: Bob P 2/13/15
Aircraft TT: 142.36 Airframe SN: 0423 N#: N6QH W.O. 214
Performed Main Rotor Track and Balance IAW R66 MM Sec. 18-12. Hover IPS @ .03 at 12:19.

R66 AIRFRAME MAINTENANCE RECORD

SECTION 10

GENERAL MAINTENANCE

Serial Number	Registration N6QH	Manufacturer ROBINSON HELICOPTER CO.	Model R66 TURBINE	Date of Manufacture 08/27/2013
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Date of Completion	Helicopter Time in Service	GENERAL MAINTENANCE DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED (CFR 43.9)		Authorization of Work Performed / Approval for Return to Service
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The Article and / or component identified was repaired in accordance with current Federal Aviation Administration Regulations and was found to be airworthy and is approved for return to service, with respect to work performed. Repair Station No. 6FSR721B

Date: March 19, 2015
 Aircraft TT: 159.82
 Airframe SN: 0423
 N#: N6QH
 W.O. 230
 Inspector: Bob T 3/19/15
 Removed battery RG325 SN: 40556259 and installed battery RG325 SN: 40700949.

The Article and / or component identified was repaired in accordance with current Federal Aviation Administration Regulations and was found to be airworthy and is approved for return to service, with respect to work performed. Repair Station No. 6FSR721B

Date: September 4, 2015
 Aircraft TT: 237.02
 Airframe SN: 0423
 N#: N6QH
 W.O. 266
 Inspector: Bob T 9/4/15
 Replaced G109-1 Arm Assembly and G110-1 Arm Assembly IAW R66 MM Sec 63.30.
 Performed Op's check OK.

The Article and / or component identified was repaired in accordance with current Federal Aviation Administration Regulations and was found to be airworthy and is approved for return to service, with respect to work performed. Repair Station No. 6FSR721B

Date: November 18, 2015
 Aircraft TT: 276.57
 Airframe SN: RRE-200430
 N#: N6QH
 W.O. 284
 Inspector: Bob T 11/18/15
 Performed troubleshooting of the magnetic chip light indication IAW Rolls Royce RR300

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R66 AIRFRAME MAINTENANCE RECORD

SECTION 10

GENERAL MAINTENANCE

Serial Number	Registration	Manufacturer	Model	Date of Manufacture
0423	N6QH	ROBINSON HELICOPTER CO.	R66 TURBINE	08/27/2013

Date of Completion	Date:	Authorization of Work Performed / Approval for Return to Service
	January 11, 2016	The Article and / or component identified was repaired in accordance with current Federal Aviation Administration Regulations and was found to be airworthy and is approved for return to service, with respect to work performed. Repair Station No. 6FSR721B
	Aircraft TT:	
	251.88	
	Airframe SN:	
	0423	
	N#:	
	N6QH	
	W.O.	
	299	
	Performed 18 month float inspection IAW ICA66-1 Rev C dated 05-19-14 Sec 3.1.1. Next due 07-2016.	
	2017, or	

The Article and / or component identified was repaired in accordance with current Federal Aviation Administration Regulations and was found to be airworthy and is approved for return to service, with respect to work performed. Repair Station No. 6FSR721B
 Inspector: J. BOB 6/22/16

Date: February 22, 2016
 Aircraft TT: 256.58
 Airframe SN: 0423
 N#: N6QH
 W.O. 310 015 016 017 018 019 020 021 022 023 024 025 026 027 028 029 030 031 032 033 034 035 036 037 038 039 040 041 042 043 044 045 046 047 048 049 050 051 052 053 054 055 056 057 058 059 060 061 062 063 064 065 066 067 068 069 070 071 072 073 074 075 076 077 078 079 080 081 082 083 084 085 086 087 088 089 090 091 092 093 094 095 096 097 098 099 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

GENERAL MAINTENANCE

GENERAL MAINTENANCE

GENERAL MAINTENANCE

Serial Number	Registration	Manufacturer	Model	Date of Manufacture
		ROLLS ROYCE	RR300	
Date of Completion	Time In Service	GENERAL MAINTENANCE		Authorization of Work Performed/Approval for Return to Service
DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED (CFR 43.9)				SIGN
Date: Engine TT: Engine Cycles Engine SN: N# W.O.	May 29, 2015 217.34 210 RRE-200430 244 N6QH	The Article and / or component identified was repaired in accordance with current Federal Aviation Administration Regulations and was found to be airworthy and approved for return to service, with respect to work performed. Repair Station No 6FSR721B		CERT
Performed Annual Inspection IAW Rolls Royce 200HRS/12 Month Inspection Checksheet. Replaced oil filter RR30000278. Drained oil then serviced with 6 qts Mobil Jet Oil 254. Replaced 23079054 starter seal. Performed leak check-no leaks noted at this time. I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.				
Date: Engine TT: Engine Cycles Engine SN: N# W.O.	May 2, 2016 301.35 312 RRE-200430 327 N6QH	The Article and / or component identified was repaired in accordance with current Federal Aviation Administration Regulations and was found to be airworthy and is approved for return to service, with respect to work performed. Repair Station No 6FSR721B		
Performed rinse of the gas path IAW RR300 Operation and Maintenance Manual Task 72-00-00-100-803.				