

The Standard Engine Log  
SE-1

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P N R A S A - S E - 1



9 781560 274162

### Engine Record General Information

Manufacturer ROTORWAY INTERNATIONAL Model RE-162F

Serial 6441 Type Certificate 2019AW

This engine is currently installed in aircraft BRECHER ROTORWAY EXEC 162F

SERIAL 6615 N 43691

Minimum Octane Fuel 92 Oil Grade: Summer 20-50 SF Winter 10-40 SF

Magneto Time N/A Point Setting N/A Firing Order 1-2-3-4

Spark Plug Gap .040-.044 in

Manufacturer recommended overhaul at 1,000 hours

**Note**

Name BRECHER, HENRY H. TRUSTEE Address [REDACTED]  
City COLUMBUS State OH From 6 MARCH 2006 To [REDACTED]  
Name [REDACTED] Address [REDACTED]  
City [REDACTED] State [REDACTED] From [REDACTED] To [REDACTED]  
Name [REDACTED] Address [REDACTED]  
City [REDACTED] State [REDACTED] From [REDACTED] To [REDACTED]  
Name [REDACTED] Address [REDACTED]  
City [REDACTED] State [REDACTED] From [REDACTED] To [REDACTED]  
Name [REDACTED] Address [REDACTED]  
City [REDACTED] State [REDACTED] From [REDACTED] To [REDACTED]

| YEAR:<br>2006  | RECORDING<br>TACH<br>TIME | TODAY'S<br>FLIGHT | TOTAL<br>TIME IN<br>SERVICE | Description of Inspections, Tests, Repairs and Alterations<br>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair<br>Facility. (See back pages for other specific entries.) |
|----------------|---------------------------|-------------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 22 MAR         | 0.1                       | 0.1               | 0.1                         | First engine startup                                                                                                                                                                                              |
| 18 APR         | 0.4                       | 0.3               | 0.4                         | Run to check operation of rotor system                                                                                                                                                                            |
| 8 NOV          | 0.9                       | 0.5               | 0.9                         | Run for main rotor balancing                                                                                                                                                                                      |
| 12 DEC<br>2007 | 1.0                       | 0.1               | 1.0                         | Condition inspection IAW 14 CFR Part 43 Appendix D                                                                                                                                                                |
| 24 APR         | 2.4                       | 1.4               | 2.4                         | Engine check and leaving                                                                                                                                                                                          |
| 17 MAY         | 3.9                       | 1.5               | 3.9                         | Flight testing                                                                                                                                                                                                    |
| 18 MAY         | 4.4                       | 0.5               | 4.4                         | Flight testing                                                                                                                                                                                                    |
| 24 MAY<br>2008 | 4.6                       | 0.2               | 4.6                         | Flight testing                                                                                                                                                                                                    |
| 25 OCT         | 5.5                       | —                 | 5.5                         | Condition inspection IAW 14 CFR Part 43 Appendix D<br>attempts to start unsuccessful                                                                                                                              |
| 31 OCT         | 6.6                       | 0.3               | 6.6                         | Engine run and covered.                                                                                                                                                                                           |
| 2010<br>30 MAY | 7.0                       | 0.4               | 7.0                         | Annual condition inspection IAW 14 CFR Part 43<br>Appendix D                                                                                                                                                      |

| YEAR:<br>2010  | RECORDING<br>TACH<br>TIME | TODAY'S<br>FLIGHT | TOTAL<br>TIME IN<br>SERVICE | Description of Inspections, Tests, Repairs and Alterations<br>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair<br>Facility. (See back pages for other specific entries.) |
|----------------|---------------------------|-------------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 16 JAN         | 7.0                       | 0.0               | 7.0                         | New battery installed.                                                                                                                                                                                            |
| 23 JUN         | 7.2                       | 0.2               | 7.2                         | Engine starting check; P.K.                                                                                                                                                                                       |
| 14 AUG         | 7.4                       | 0.2               | 7.4                         | Engine tests and run as well. Tach inop, no flight                                                                                                                                                                |
| 29 AUG         | 7.5                       | 0.1               | 7.5                         | Engine run, tach inop, no flight                                                                                                                                                                                  |
| 29 SEP         | 8.9                       | 1.4               | 8.9                         | Hovering and lower taxiing                                                                                                                                                                                        |
| 16 OCT<br>2011 | 9.0                       | 0.0               | 9.0                         | Engine run, no flight                                                                                                                                                                                             |
| 25 JUN         | 9.2                       | 0.2               | 9.2                         | Engine run, no flight. Vibration, water temp inop                                                                                                                                                                 |
| 17 JUN         | 9.5                       | 0.3               | 9.5                         |                                                                                                                                                                                                                   |
| 9 Aug<br>2012  | 9.6                       | 0.1               | 9.6                         |                                                                                                                                                                                                                   |
| 7 Jan          | 10.9                      | 0.9               | 10.9                        | Aircraft repaired in May 2012, now operative<br>~0.2 engine time today, previous 0.3 in April & May; tach on<br>motor inoperative, no flight                                                                      |

| YEAR:<br>2012 | RECORDING<br>TACH<br>TIME | TODAY'S<br>FLIGHT | TOTAL<br>TIME IN<br>SERVICE | Description of Inspections, Tests, Repairs and Alterations<br>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair<br>Facility. (See back pages for other specific entries.) |
|---------------|---------------------------|-------------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DATE          |                           |                   |                             |                                                                                                                                                                                                                   |
| 14 JUN        | 11.0                      | 0.1               | 11.0                        | Found one wire disconnected from tach. Reconnected, tach OK                                                                                                                                                       |
| 16 JUN        | 1) 12.4                   | ~0.1              | ?                           | Recording tach apparently erroneous. No rotor RPM                                                                                                                                                                 |
|               | 2) 12.8                   | ~0.2              |                             | indication on dual tach. No flight. Forward wire                                                                                                                                                                  |
|               |                           |                   |                             | disconnected on tach, reconnected. Now OK. Fuel gauge                                                                                                                                                             |
| 20 JUN        | 13.4                      | ~0.3              | 11.3                        | "squirrely". Attempt at hover test.                                                                                                                                                                               |
| 27 JUN        | 13.6                      | ~0.2              | 11.5                        | Hover taxi by Haver Bell to check condition of                                                                                                                                                                    |
|               |                           |                   |                             | elastomeric bearings by handling feel. OK. Will                                                                                                                                                                   |
|               |                           |                   |                             | need replacement if vibration develops.                                                                                                                                                                           |
| 5 JUL         | 14.2                      | 0.65              | 12.1                        |                                                                                                                                                                                                                   |
| 9 JUL         | 15.2                      | 1.0               | 13.1                        |                                                                                                                                                                                                                   |
| 17 JUL        | 16.9                      | 1.7               | 14.8                        |                                                                                                                                                                                                                   |
| 24 JUL        | 17.4                      | 0.5               | 15.3                        |                                                                                                                                                                                                                   |

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| DATE          |                           |                   |                             |                                                                                                                                                                                                                   |
| 27 JUL        | 18.1                      | 0.7               | 16.0                        |                                                                                                                                                                                                                   |
| 13 AUG        | 18.5                      | 0.4               | 16.4                        | Changed engine oil and oil filter.                                                                                                                                                                                |
| 15 AUG        | 19.2                      | 0.7               | 17.1                        |                                                                                                                                                                                                                   |
| 17 AUG        | 19.6                      | 0.4               | 17.5                        |                                                                                                                                                                                                                   |
| 19 AUG        | 20.2                      | 0.6               | 18.1                        |                                                                                                                                                                                                                   |
| 22 AUG        | 21.0                      | 0.8               | 18.9                        |                                                                                                                                                                                                                   |
| 28 AUG        | 21.3                      | 0.3               | 19.2                        |                                                                                                                                                                                                                   |
| 4 SEP         | 22.0                      | 0.7               | 19.9                        |                                                                                                                                                                                                                   |
| 9 Sep         | 22.7                      | .7                | 20.6                        | Flight around Del Rio                                                                                                                                                                                             |
| 10 Sep        | 23.3                      | .6                | 21.2                        | Hover                                                                                                                                                                                                             |
| 18 Sep        | 23.7                      | .5                | 21.7                        | Hover Practice                                                                                                                                                                                                    |
| 4 Oct         | 24.3                      | .6                | 22.3                        | --- Todd                                                                                                                                                                                                          |

| YEAR:<br>2012  | RECORDING<br>TACH<br>TIME | TODAY'S<br>FLIGHT | TOTAL<br>TIME IN<br>SERVICE | Description of Inspections, Tests, Repairs and Alterations<br>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair<br>Facility. (See back pages for other specific entries.) |
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| DATE           |                           |                   |                             |                                                                                                                                                                                                                   |
| 24 OCT         | 24.7                      | .4                | 22.7                        | Hover practice Todd                                                                                                                                                                                               |
| 7 NOV          | 25.4                      | 0.7               | 23.4                        | " " HENRY                                                                                                                                                                                                         |
| 27 NOV<br>2012 | 26.3                      | 0.9               | 24.3                        | hovering                                                                                                                                                                                                          |
| 18 JAN         | 27.5                      | 1.2               | 25.5                        | Delaware local                                                                                                                                                                                                    |
| 20 JAN         | 27.8                      | 0.3               | 25.8                        | Hovering                                                                                                                                                                                                          |
| 5 FEB          | 28.4                      | 0.6               | 26.4                        | hover taxi                                                                                                                                                                                                        |
| 15 FEB         | 29.7                      | 1.3               | 27.7                        | Delaware local                                                                                                                                                                                                    |
| 3/1/13         | 30.5                      | .7                | 28.4                        | " " Todd                                                                                                                                                                                                          |
| 3/7            | 31.4                      | .9                | 29.3                        | " " Todd                                                                                                                                                                                                          |
| 3/22           | 32.9                      | 1.5               | 30.8                        | Local Flight Todd                                                                                                                                                                                                 |
| 19 APR         | 34.4                      | 1.5               | 32.3                        | " " Todd                                                                                                                                                                                                          |
| 23 APR         | 34.7                      | 0.3               | 32.6                        | Hover for engine warming. changed oil & filter                                                                                                                                                                    |

| YEAR:<br>2013 | RECORDING<br>TACH<br>TIME | TODAY'S<br>FLIGHT | TOTAL<br>TIME IN<br>SERVICE | Description of Inspections, Tests, Repairs and Alterations<br>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair<br>Facility. (See back pages for other specific entries.) |
|---------------|---------------------------|-------------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DATE          |                           |                   |                             |                                                                                                                                                                                                                   |
| 2 MAY         | 34.7                      | ✓                 | 32.6                        | 25-lb service completed                                                                                                                                                                                           |
| 20 MAY        | 35.0                      | 0.3               | 32.9                        | Delaware local Todd                                                                                                                                                                                               |
| 20 MAY        | 36.1                      | 1.1               | 34.0                        | Hover taxi Henry                                                                                                                                                                                                  |
| 11 JUN        | 37.2                      | 1.1               | 35.1                        | Hover Todd & Henry, Del LCL                                                                                                                                                                                       |
| 6/31          | 39.2                      | 2                 | 37.1                        | Hover Practice Todd                                                                                                                                                                                               |
| 5 JUL         | 39.7                      | 0.5               | 37.6                        | Todd and Dan Teger                                                                                                                                                                                                |
| 11 JUL        | 40.9                      | 1.2               | 38.8                        | Delaware local, Todd and Henry                                                                                                                                                                                    |
| 17 JUL        | 42.0                      | 1.1               | 39.9                        | Todd LCL                                                                                                                                                                                                          |
| 24 JUL        | 43.5                      | 1.5               | 41.4                        | Todd LCL                                                                                                                                                                                                          |
| 26 JUL        | 45.1                      | 1.6               | 43.0                        | Delaware local, Todd and Henry                                                                                                                                                                                    |
| 29 JUL        | 46.3                      | 1.2               | 44.2                        | " "                                                                                                                                                                                                               |
| 5 AUG         | 47.0                      | .7                | 44.9                        | Todd                                                                                                                                                                                                              |

