

Turbo Cooling Tests: Water Cooled System, Red One

| Time After Shutdown | | 6. System Configuration 4 - New Fan: Flight 022718 | | | | | | | | | | |
|---------------------|---------------------------|--|---|---------|-----------------|----------------|-------------------|-------------|-------------|-----------|-----------|------|
| Real Time | minutes | Turbine | Bearing | Ambient | OAT (degrees F) | ALT | Oil Temp | Hottest CHT | Hottest EGT | IAS (mph) | Bus Volts | |
| 2:36 PM | In-Flight, 38" MAP climb | -17 | 601 | 180 | 103 | 47 | 2,810 | 126 | 331 | 1136 | 148 | 13.6 |
| 2:39 PM | In-Flight, 25" MAP cruise | -15 | 688 | 193 | 108 | 47 | 2,550 | 139 | 302 | 1048 | 131 | 13.1 |
| 2:42 PM | In-Flight, 29" MAP cruise | -11 | 693 | 194 | 119 | 47 | 2,700 | 140 | 304 | 1048 | 154 | 13.3 |
| 2:53 PM | Shutdown +0 | 0 | 173 | | | 56 | 820 (field elev.) | 167 | 306 | 662 | 0 | 12.5 |
| | Shutdown +1 | 1 | | | | | | | | | | |
| | Shutdown +2 | 2 | 508 | 184 | 139 | 61 (in hangar) | | 171 | | | | 12.5 |
| | Shutdown +3 | 3 | | | | | | | | | | |
| | Shutdown +4 | 4 | 479 | 182 | 140 | 63 (in hangar) | | 171 | | | | 12.5 |
| | Shutdown +5 | 5 | | | | | | | | | | |
| | Shutdown +6 | 6 | 452 | 173 | 135 | 63 (in hangar) | | 173 | | | | 12.5 |
| | Shutdown +7 | 7 | | | | | | | | | | |
| | Shutdown +8 | 8 | 436 | 167 | 133 | 63 (in hangar) | | 171 | | | | |
| | Shutdown +9 | 9 | 425 | 171 | 133 | 63 (in hangar) | | 171 | | | | 12.4 |
| | Shutdown +10 | 10 | 401 | 169 | 131 | 63 (in hangar) | | 169 | | | | 12.4 |
| | Shutdown +11 | 11 | | | | | | | | | | |
| | Shutdown +12 | 12 | | | | | | | | | | |
| | Shutdown +13 | 13 | 364 | 153 | 124 | 63 (in hangar) | | 167 | | | | 12.4 |
| | Shutdown +14 | 14 | | | | | | | | | | |
| | Shutdown +15 | 15 | 324 | 146 | 122 | 63 (in hangar) | | 166 | | | | 12.4 |
| | Shutdown +16 | 16 | | | | | | | | | | |
| | Shutdown +17 | 17 | 317 | 148 | 115 | 63 (in hangar) | | 166 | | | | 12.3 |
| | Shutdown +18 | 18 | | | | | | | | | | |
| | Shutdown +19 | 19 | | | | | | | | | | |
| | Shutdown +20 | 20 | 304 | 140 | 124 | 63 (in hangar) | | 164 | | | | 12.4 |
| | Shutdown +21 | 21 | Thermostat Auto Shut-Off @ 20 minutes, Temps Continued to Decline | | | | | | | | | |
| | Shutdown +22 | 22 | | | | | | | | | | |
| | Shutdown +23 | 23 | | | | | | | | | | |
| | Shutdown +24 | 24 | | | | | | | | | | |
| | Shutdown +25 | 25 | | | | | | | | | | |
| | Shutdown +26 | 26 | | | | | | | | | | |
| | Shutdown +27 | 27 | | | | | | | | | | |
| | Shutdown +28 | 28 | | | | | | | | | | |
| | Shutdown +29 | 29 | | | | | | | | | | |
| | Shutdown +30 | 30 | | | | | | | | | | |

■ Fan + Pump AUTO On
■ Fan + Pump AUTO Off

