

## **Airwolf Aerospace STC Prevents Delamination of *Robinson Helicopter Rotor Blades***

Middlefield, OH, November 22, 2007.....Airwolf Aerospace LLC, a division of Airwolf Filter Corp, a world leader in firewall-forward accessories for aero-engines, has been awarded FAA STC# SR02491CH to prevent permanently the leading-edge skin delamination occurring on Robinson R22 and R44 helicopter main rotor blades.

The factory Service Bulletin notes that main rotor blade skins begin to debond (separate) at the skin-to-spar bond line on the lower surface near the blade tip. Debonding can occur when the bond line is exposed due to excessive erosion of the blade finish, or when corrosion occurs on the internal aluminum tip cap.

Robinson Helicopter Company has issued Service Bulletins to inspect and address the problem using repeat-as-necessary paint applied to the affected areas, while Airwolf's STC comprises a permanent, one-time application of Airwolf Rotor Blade Protective Tape (RBPT) to the outer section of the main rotorblades.

There are over 8,000 Robinson R22s and R44s on North American and international registers. Airwolf's one-time solution eliminates the need for blade repainting.

Jonny Quest, Airwolf technical director, said this STC solves a recurring problem. "The factory 'solution' is really a band-aid, while ours is simple and permanent," he said. "It comprises the application of a specially-formulated adhesive polymer tape which has been time-tested by the military in both the Gulf War and the Iraq war.

"Water, dust, sand and other contaminants can't penetrate the tape, while the factory 'paint solution' requires repetitive inspections and continual repainting throughout the blade life," he added. "However, the risk of a blade delamination is still great and the replacement cost very expensive if this occurs. The Airwolf RBPT is inexpensive insurance to prevent this from happening."

Robinson operators, mechanics and maintenance departments can order the Airwolf RBPT factory-direct at [www.airwolfaerospace.com](http://www.airwolfaerospace.com) or at 800-326-1534.

Airwolf Aerospace, is a division of Filter Corp, the world's leading manufacture of remote-mounted oil filter systems for aero engines. STC'd and certificated on all *Lycoming, Continental, and Franklin*, as well as radial engines by *Pratt & Whitney, Warner, Jacobs, Wright and Continental*, the systems are also original equipment on *Aviat Husky, Pitts and American Champion* as well as *Maule* aircraft. Airwolf systems are endorsed and recommended by engine overhaul shops such as *Covington, Air Repair, Penn Yan, Mattituck, G&N, Aero Engines, Aero Recip,*

*Aircraft Cylinder & Turbine, Sun Air Parts and Tulsa Aircraft Engines.* Airwolf also manufactures the certified Walker air-oil separator for all piston engines, as well as AirSep brand air-oil separators and the world's only line of wet vacuum pumps.

-30-

**Caption for photo of delaminated rotor blade:**

**Robinson R22BETA Main rotor blade delaminated. Ref 510004244.**

Main rotor blade delaminated in area at the underside of the tip. P/N: A0064.  
TSN: 598 hours. (11 similar occurrences)

Information:

Jonny Quest - Airwolf Aerospace LLC. – 1-800-326-1534  
([www.airwolfaerospace.com](http://www.airwolfaerospace.com))

Jamie McIntyre - Romeo Oscar Marketing Communications – 514-780-8525  
([www.RomeoOscar.com](http://www.RomeoOscar.com))