

Department of Transportation - Federal Aviation Administration

Supplemental Type Certificate

Number SR01552SE*This certificate, issued to*

**Carson Helicopters, Inc.
952 Blooming Glen Road
Perkasie, PA 18944**

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 29 of the Federal Aviation Regulations.

Original Product — Type Certificate Number: H2EA, 1H15
Make: Sikorsky
Model: S-61A, S-61N

Description of the Type Design Change: Fabrication and installation of an external aerial liquid dispensing tank in accordance with Federal Aviation Administration (FAA) approved Carson Helicopters, Inc., Master Drawing List, CHI-FK-MDL, Revision B, dated December 9, 2006, or later FAA-approved revision. This installation must be inspected in accordance with Carson Helicopters, Inc. Instructions for Continued Airworthiness Document CHI-FK-MM, Revision 1, dated June 6, 2007, or later FAA-accepted revision.

Limitations and Conditions: The helicopter must have composite main rotor blades installed per Supplemental Type Certificate (STC) SR01585NY. This modification may be installed on the model helicopters listed above including S-61Ns with or without "50 inch Reduction in Fuselage length" STC SH640NE. For a complete list of configuration requirements see the Carson Helicopters Inc. Fire King Maintenance Manual CHI-FK-MM dated June 12, 2007, or later FAA-approved revision. The modified rotorcraft must be operated in accordance with an FAA-approved copy of Carson Helicopters, Inc. Rotorcraft Flight Manual Supplement (RFMS), Revision 2, dated June 13, 2007, or later FAA-approved revision. A copy of this certificate, the FAA-approved RFMS and the Maintenance Manual must be maintained as part of the permanent records of the modified helicopter. This approval should not be extended to other rotorcraft of this model on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that rotorcraft. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: December 14, 2004*Date reissued:* August 19, 2013*Date of issuance:* June 3, 2005*Date amended:* June 14, 2007*By direction of the Administrator**(Signature)*

 Manager, Seattle Aircraft Certification Office
(Title)

 Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

 This certificate may be transferred in accordance with FAR 21.47.