



U.S. Department
of Transportation
**Federal Aviation
Administration**

**Transport Airplane Directorate
Aircraft Certification Service**

1601 Lind Avenue S.W.
Renton, Washington 98055-4056

AUG 13 1997

In Reply
Refer To: 97-190S-473

Mechanical Specialties, Inc.
7822 Highway 99 SE., Suite A
Olympia, WA 98501

Gentlemen:

We have completed our evaluation of your Supplemental Type Certificate (STC) Project No. ST2414SE-R and find that you have satisfactorily demonstrated compliance with the applicable certification regulations. We have enclosed STC No. SR00465SE, dated August 13, 1997. This indicates our approval for the installation of a Mechanical Specialties Model 6111 cargo hook in combination with Helipro International cargo sling system (STC No. SR00427SE) for the carriage of external loads on Sikorsky Model S-61N helicopters.

We note that the Federal Aviation Administration (FAA) approved Rotorcraft Flight Manual (RFM) Supplement issued for the Helipro STC covers this cargo hook installation without revision.

This STC is official FAA approval of your installation and may be used to authorize identical installations on other aircraft of this same model, subject to the limitations noted on the certificate. It may be transferred or otherwise made available to another party by means of a licensee arrangement in accordance with Federal Aviation Regulations (FAR) 21.47. You are requested to advise this office within 30 days after the transfer when you transfer or grant licensee rights to the STC in order that we may take the necessary recording or reissuance action.

As recipient of this approval, except as provided in FAR Part 21.3(d), you are required to report any failure, malfunction, or defect in any product or part manufactured by you that you have determined has resulted or could result in any of the occurrences listed in FAR Part 21.3(c). The report should be communicated initially by telephone to the Manager, Special Certification Branch, ANM-190S, telephone number (425) 227-2594, within 24 hours after it has been determined that the failure has occurred. In addition, written notification to the Manager, Seattle Aircraft Certification Office, ANM-100S, at the above address is required. FAA Form 8010-4 (Malfunction of Defect Report) or any other appropriate format is acceptable in transmitting the required details.

If you agree to permit another person to use this STC to alter the product, it is your responsibility to give the other person written evidence of that permission in the form of a "permission statement". This permission statement should contain the agreement specifying the product to be altered, the STC number, and the person who is being given the consent to use the STC.

If you plan to manufacture replacement or modification parts for sale in conformance with approved data listed on the Certificate, you are required to comply with FAR 21.303. A Parts Manufacturing Approval (PMA) may be issued under the provisions of FAR 21.202(d) when you submit a statement certifying you have established the fabrication inspection system as required by FAR 21.303(h). The identification requirements for parts produced under a PMA are in FAR 45.15. Your statement may be in letter form, with reference to the STC number, and should be addressed to the Federal Aviation Administration, Northwest Mountain Region, Attention: Manager, Seattle Manufacturing Inspection District Office, 1601 Lind Avenue SW., Renton, Washington 98055-4056.

Sincerely,



Donald L. Riggin
Manager, Seattle Aircraft
Certification Office

Enclosure

Supplemental Type Certificate

Number SR00465SE

This certificate, issued to **Mechanical Specialties, Inc.
7822 Highway 99 SE., Suite A
Olympia, WA 98501**

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 7 of the Civil Air Regulation, dated August 1, 1956, including Amendments 7 - 1 through 7 - 4. See TCDS No. 1H15 for other certification bases.

Original Product—Type Certificate Number: 1H15
Make: Sikorsky
Model: S-61N (Transport Category Only)

Description of the Type Design Change: Installation of a Mechanical Specialties Model 6111 cargo hook in accordance with an FAA approved copy of Mechanical Specialties Master Drawing List No. 6111MDL, Revision "A", dated June 24, 1997, or later FAA approved revision.

Limitations and Conditions: Approval of this change in type design applies to either the basic Sikorsky Model S-61N rotorcraft or to the "Shortsky" version with the fuselage shortened per STC No. SR00283SE, previously equipped with a Helipro Model H9661N01-01 or -03 logging utility system installed in accordance with STC No. SR00427SE, only. This approval should not be extended to 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.

Rotorcraft altered to install these cargo sling systems, must be operated in accordance with Helipro Rotorcraft Flight Manual Supplement (RFMS) No. 1, dated April 9, 1997, or later FAA approved revision. The modified rotorcraft must be maintained in accordance with Mechanical Specialties Cargo Hook Maintenance Manual No. MSI-MNL002, Revision "A", dated August 8, 1997, or later FAA approved revision. A copy of this Certificate, FAA Approved Helipro RFMS, and Mechanical Specialties Maintenance Manual must be maintained as part of the permanent records for the modified 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.

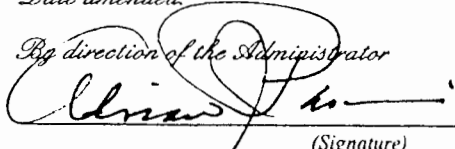
This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the

Federal Aviation Administration.

Date of application: April 4, 1997
Date of issuance: August 13, 1997

Date reissued:
Date amended:



By direction of the Administrator

(Signature)
Acting 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.