

Supplemental Type Certificate

Number **SH6015NM**

This Certificate issued to

**Aerometals
3920 Sandstone Drive
El Dorado Hills, CA 95762**

*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 *6 of the Civil Air Regulations. *Certification basis is set forth in Type Certificate Data Sheet H3WE.*

Original Product Type Certificate Number: H3WE

Make: McDonnell Douglas Helicopter Co. (MDHC)

Model: 369D, 369E, 369FF

Description of Type Design Change: Installation of 369D horizontal stabilizer assembly in accordance with FAA-approved Yehmert Master Drawing List YH-282, Revision D, dated August 27, 1993, or later FAA-approved revisions; or installation of 369E or 369FF horizontal stabilizer assembly in accordance with FAA-approved Yehmert Master Drawing List YH-285, Revision N/C, dated March 12, 1994, or later FAA-approved revisions, or installation of Aerometals horizontal stabilizer assembly p/n 369X23601-511 on 369D helicopters or p/n 421X-087-903 on 369FF helicopters or p/n 421X-087-905 on 369E helicopters, in accordance with Aerometals Master Drawing List (MDL) #33, Revision A, dated January 23, 2002, or later FAA-approved revision.

Limitations and Conditions: The approval of this modification applies to the above noted aircraft model series only. (Continued on page 3).

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: September 23, 1992 *Date reissued:* 11/09/1998, 06/24/2004, 02/24/2009

Date of issuance: October 21, 1993 *Date amended:* 08/17/1994, 12/15/1997, 11/04/2002, 03/16/2009



By direction of the Administrator
Original Signed by Phil Forde

(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.

Supplemental Type Certificate

(Continuation Sheet)

Number **SH6015NM**

A: 09/23/92
I: 10/21/93
A: 08/17/94, 12/15/97, 11/04/02, 03/16/09
R: 11/09/98, 06/24/04, 02/24/09

Limitations and Conditions: (Continued)

This approval should not be extended to other specific aircraft of this model series on which other approved modifications are incorporated, unless it is determined that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this STC must be included in the permanent records of each aircraft modified in accordance with this STC.

1. Yehnert Helicopter, Inc., part number YH-273 or Aerometals part number 369X23601-511 is approved as a replacement horizontal stabilizer for MDHC part no. 369D23601-505 for the model 369D; Yehnert Helicopter, Inc., part number YH-284-5 or Aerometals part number 421X-087-905 is approved as a replacement horizontal stabilizer for MDHC part nos. 421-087-505 and 421-087-905 for model 369E; Yehnert Helicopter Inc., part number YH284-3 or Aerometals part number 421X-087-903 is approved as a replacement horizontal stabilizer for MDHC part nos. 421-087-503 and 421-087-903 for the model 369FF.

2. The life limit for Yehnert or Aerometals replacement horizontal stabilizers for MDHS part nos. 369D23601-505, 421-087-505 and 421-087-905 is 7700 flight hours from the time of installation. The life limit for Yehnert or Aerometals replacement horizontal stabilizers for MDHC part no. 421-087-503 and 421-087-093 is 7700 flight hours from the time of installation. Any reductions in the MDHC Component Mandatory Replacement Schedule for the MDHC horizontal stabilizers must be adhered to by the operator of a Yehnert or Aerometals replacement horizontal stabilizer. If the life limit of MDHC horizontal stabilizers is extended the life limit of Yehnert or Aerometals replacement horizontal stabilizers as specified in this STC takes precedence over the MDHC Component Mandatory Replacement Schedule.

(Continued on Page 4)

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

Supplemental Type Certificate

(Continuation Sheet)

Number **SH6015NM**

A: 09/23/92
I: 10/21/93
A: 08/17/94, 12/15/97, 11/04/02, 03/16/09
R: 11/09/98, 06/24/04, 02/24/09

Limitations and Conditions: (Continued)

3. Yehnert replacement horizontal stabilizers must be installed per the MDHC maintenance manual procedures. Aerometals replacement horizontal stabilizers must be installed per Aerometals AMI20, Initial Revision, dated August 31, 2000, or later FAA-approved revision.
4. Inspection procedures for Yehnert replacement horizontal stabilizers are outlined in FAA-approved Yehnert Report No. YH-280, dated September 5, 1997, or later FAA approved revision. A copy of these inspection procedures should be provided with each Yehnert replacement horizontal stabilizer.
5. Inspection procedures for Aerometals replacement horizontal stabilizers are outlined in FAA-approved Aerometals AMI20, Initial Release, dated August 31, 2000, or later FAA approved revision. A copy of these inspection procedures should be provided with each Yehnert or Aerometals replacement horizontal stabilizer.
6. Replacement horizontal stabilizers for 421-087-903 and 421-087-905 require addition of tip plates, tip weights, and attaching hardware before installation.

If the holder agrees to permit another person to use that certificate to alter the product, the holder shall give the other person written evidence of that permission.

Note 1: Aerometals considers MDHC Service Information Letters and Notices applicable to MDHC horizontal stabilizers to also pertain to the Yehnert or Aerometals replacement horizontal stabilizers.

Note 2: FAA ADs applicable to MDHC horizontal stabilizers remain applicable to the modified helicopter. Contact Aerometals for assistance obtaining an alternate method of compliance.

- END -

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