

United States Of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate

Number SH1919NM

This Certificate issued to Airglas, Inc.
3500 O'Malley Rd
Anchorage, AK 99507

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified herein meets the airworthiness requirements of Part 25 of the Federal Aviation Regulations.
(* Complete certification basis is specified in Type Certificate Data Sheet No. H4SW, Revision 22.)

Original Product Type Certificate Number: H4SW
Make: Bell Helicopter Textron
Model: 412; 412CF; 412EP

Description of Type Design Change: Fabrication and installation of Airglas Engineering Company, Inc. P/N L8500A-1 or L8500R-1 left ski and P/N L8500A-2 or L8500R-2 right ski in accordance with Airglas Engineering Company, Inc. Master Drawing List No. L8500A/R, Revision 'C', dated March 1, 1995, or later FAA approved revision.

Limitations and Conditions: Compatibility of this design change with previously approved modifications must be determined by the installer. An FAA approved Rotorcraft Flight Manual Supplement of the revision level specified in the following table is a required part of this installation.

Model	Serial Numbers	Rotorcraft Flight Manual Supplement Revision *	Date *
412,	33001 through 33107	Original Issue	June 8, 1983
412	33108 through 33213	1	August 30, 1991
412	36001 through 36019	1	August 30, 1991
412	36020 through 36086	3	February 10, 1995
412EP	36087 and subsequent	3	February 10, 1995
412CF	46400 and subsequent	4	March 3, 1995

* or later FAA approved revision

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: June 06, 1983

Date reissued: April 26, 2000; August 1, 2011

Date of issuance: June 08, 1983

Date amended: August 30, 1991; October 29, 1993;
February 10, 1995; March 3, 1995;
and April 26, 2000



By direction of the Administrator

August A. Asay
(Signature)

August A. Asay
Manager, Anchorage Aircraft Certification Office

(Title)

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



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

Aircraft Certification Service
Small Airplane Directorate
Anchorage Aircraft Certification Office
222 W. 7th Ave, #14
Anchorage, AK 99513-7587

August 1, 2011

Mr. Christopher Donnelly
Airglas, Inc.
3500 O'Malley Rd.
Anchorage, AK 99507

Subject: Master Drawing List (MDL) L8500AR212, Revision D, Dated January 29, 2010

Dear Mr. Donnelly:

We have received your updated MDL document, Revision D, dated January 29, 2010. This revision incorporates minor changes to the drawings for multiple Bell Model 412 helicopters. This revision is applicable to Supplemental Type Certificate (STC) No. SH1919NM.

We have evaluated the changes to MDL Document No. L8500AR212 and find that they are acceptable.

If you have any questions please contact Mr. Eric Wright to discuss this approval by telephone at (907) 271-2648, by fax at (907) 271-6365, by email at eric.wright@faa.gov, or in person at the Anchorage Aircraft Certification Office at the address shown on our letterhead.

Sincerely,

August A. Asay
Manager, Anchorage Aircraft Certification Office

cc: Read file
Project folder