

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

Number SA181NW

This certificate, issued to PACIFIC ALASKA AIRLINES

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 4b of the Civil Air Regulations, as specified in Aircraft Specification No. 6A4 dated July 21, 1971.

Original Product — Type Certificate Number: 6A4

Make: McDonnell Douglas

Model: DC-6B, Serial No. 45174 only.

Description of Type Design Change:

Installation of bulk liquid cargo tank system in accordance with FAA Sealed Stress Technology Drawing PAA 74-1100 and other supporting data for the carriage of non-flammable, non-corrosive, non-toxic liquids. STC SA535SO must be incorporated in this airplane.

Limitations and Conditions:

A fire/smoke detector is not required for this installation since the cargo is limited to that carried in the tanks. Data pertaining to this modification are considered inadequate for duplication in other aircraft. This approval is limited to installation in McDonnell Douglas DC-6B, S/N 45174. A copy of this Certificate and Addendum No. SA181NW shall be maintained as part of the permanent records for the modified aircraft.

(See Continuation Sheet 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: May 2, 1975

Date issued:

Date of issuance: May 12, 1975

Date amended:



By direction of the Administrator

Ronald L. Pegg
(Signature)

Acting Chief, Engineering and Manufacturing Branch
(Title)

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

United States of America
Department of Transportation—Federal Aviation Administration
Supplemental Type Certificate
(Continuation Sheet)

- May 12, 1975 -

Number SA181NW

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA181NW

The conditions and limitations of Type Certificate Data Sheet No. 6A4 apply except as follows:

This STC Addendum, which is a part of Supplemental Type Certificate No. SA181NW, prescribes conditions and limitations under which the product for which the STC was issued meets the airworthiness requirements of the Civil Air Regulations. A copy of this STC Addendum is required to be maintained as part of the modified aircraft's permanent records.

SUPPLEMENTAL TYPE CERTIFICATE HOLDER: PACIFIC ALASKA AIRLINES

The following placards are required:

1. On each tank (six total) in full view of the loadmaster when operating the loading unit:

Forward tanks

"MAX. CAPACITY LIMIT 5561 LBS."

Center tanks

"MAX. CAPACITY LIMIT 5561 LBS."

Aft tanks

"MAX. CAPACITY LIMIT 4170 LBS."

2. In the aft lower deck cargo compartment in full view of the loadmaster when operating the manifold valve master switch:

"LOADING SEQUENCE:
FILL FORWARD TANKS FIRST, THEN CENTER
TANKS, AND AFT TANKS LAST."

3. In the main deck compartment on both sides of forward bulkhead and on the rear bulkhead with letters one inch high:

"CARGO, OTHER THAN THAT CARRIED IN THE TANKS,
IS PROHIBITED IN THIS COMPARTMENT."

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