

BOOK

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

*Number* SA5682NM

*This certificate, issued to* West Star Aviation, Inc.

*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 23 of the Federal Aviation Regulations.* effective February 1, 1965

*Original Product — Type Certificate Number:* A28CE  
*Make:* Cessna Aircraft Company  
*Model:* 441

*Description of Type Design Change:*

Installation of Garrett turboprop engines model series TPE331-10N and McCauley or Hartzell propeller (see continuation sheet for engine/propeller compatibility) in accordance with FSI Document # 91FS090-D06, Revision A, dated September 29, 1993, or later FAA approved revisions.

*Limitations and Conditions:*

Approval of this change in type design applies to the above model aircraft only. This approval should not be extended to aircraft on which other previously approved modifications are incorporated unless it is determined that the interrelationship 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 the aircraft. The following Flight Manual (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:* April 8, 1993

*Date issued:* August 4, 1993

*Date of issuance:* May 13, 1993

*Date amended:* March 4, 1992, June 3, 1993, September 30, 1993



*By direction of the Administrator*

*Roger A. Caldwell*  
Roger A. Caldwell (Signature) Acting Manager  
Denver Aircraft Certification Field Office  
Northwest Mountain Region, Denver, Colorado

(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.

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

*Number*

SA5682NM

LIMITATIONS AND CONDITIONS (continued)

Supplements are applicable for the listed aircraft serial no./propeller option combinations:

Report ATS 92-01a, dated 2/19/92 or later FAA approved revision for Cessna Model 441 S/N -0001 - 0172, with three bladed propellers.

Report ATS 92-01b, dated 2/19/92 or later FAA approved revision for Cessna Model 441 S/N -0173 and on, with three bladed propellers.

Report ATS 92-01c, dated 9/30/93 or later FAA approved revision for Cessna Model 441 S/N -0001 - 0172, with McCauley four bladed Propellers.

Report ATS 92-01d, dated 9/30/93 or later FAA approved revision for Cessna Model 441 S/N -0173 and on, with McCauley four bladed propellers.

A copy of this Certificate and the appropriate FAA approved Airplane Flight Manual Supplement, must be maintained as part of the permanent records for the modified aircraft. The conditions and limitations of Type Certificate Data Sheet A28CE apply except where superseded by the following:

This Supplemental Type Certificate Continuation Sheet, which is part of STC SA5682NM, prescribes the conditions and limitations under which the product for which the STC was issued meets the airworthiness requirements of the Federal Aviation Regulations.

**Engines:** (two) Garrett TPE331-10N series turboprop engines.

S/N 441-0001 through 441-0339  
TPE331-10N-511S  
TPE331-10N-512S  
TPE331-10N-514S  
TPE331-10N-515S

S/N 441-0340 and on  
TPE331-10N-513S

**Propellers:**

(two) three bladed, full feathering, reversible propellers:

1. Manufacturer: Hartzell  
Compatible engines: TPE331-10N-511S or -514S  
Hub: Hartzell HC-B3TN-5  
Blades: Hartzell T10178B-11
2. Manufacturer: McCauley  
Compatible engines: TPE331-10N-512S, -513S, or -515S  
Hub: McCauley 3GFR34C601  
Blades: McCauley 93JA-3

or:

(two) four bladed, full feathering, reversible propellers:

1. Manufacturer: McCauley  
Compatible engines: TPE331-10N-512S, -513S or -515S  
Hub: 4HFR34C661  
Blades: 90LNA-2

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