

Airworthiness Directive

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83-150/4 Propeller Hoffmann

Date of issue:

December 21, 1984

Affected propeller:

Hoffmann variable pitch propeller HO-V62 R/L 160T  
in connection with engines Limbach L 2000 ( ).

Subject:

Root attachment of blades

Reason:

Fatigue problems of fixing bolts at rotation speeds between  
2950 and 3250 rpm in flight.

Action and compliance:

1. For propellers which have not been modified since publication  
of SB no. 4 of 15/07/1983 the following applies:
  - 1.1 Immediately upon publication of this Airworthiness Directive
    - the rotational speed for continuous operation must be  
limited to 2900 rpm;
    - aerobatic flight with running engine is not allowed.
  - 1.2 Within the next 10 flight hours
    - the tachometer must be calibrated and a placard installed  
next to the tachometer as specified in the Service Bulletin  
Part 1, Item 2a;
    - an inspection of the propeller blades must be performed  
as indicated in Part 1, Item 2b.
  - 1.3 Within the next 10 flight hours after the effective date  
of this AD at the latest, however on March 31, 1985, the  
propeller must be subjected to a general overhaul and modi-  
fication according to Part 3 of the Service Bulletin.
2. For propellers which have already been modified and marked with  
"SB 4" at the base collar:
  - 2.1 The rotational speed remains limited to 2900 rpm as indicated  
in Part 2 of the Service Bulletin (SB).
  - 2.2 Aerobatic flight with running engine is not allowed.
  - 2.3 Within the next 10 hours of operation, the tachometer must be  
calibrated and placards as indicated in part 2 figure 2 of  
the SB applied.
  - 2.4 Prior to reaching 600 flight hours since new or  
at a date according to item 3, Part 2 of the SB,  
at the latest, however, on August 31, 1985, the  
propeller must be subjected to a general overhaul  
an modification to meet the condition described in  
Part 3 of the SB.
3. Propellers in the condition according to Part 3 of the  
Service Bulletin as shown by the letters A or B behind each  
blade serial no. may be operated normally again according to  
items 1 through 4 of the Service Bulletin.

4. The time between overhaul (TBO) for propellers modified according to Part 3 of the Service Bulletin is 600 flight hours (SB no. 1F of 2/11/1983).

Technical publication of the manufacturer:

Propeller Hoffmann Service Bulletin No. 4C of February 20, 1984 and Revision 1 of December 11, 1984, which becomes herewith part of this AD and may be obtained from Messrs. Propellerwerk Hoffmann, Postfach 265, D-8200 Rosenheim.

Accomplishment and log book entry:

Action to be accomplished by an approved service station and to be checked and entered in the sailplane's log by a licensed inspector.

Note:

This Airworthiness Directive replaces the AD 83-150/3 of May 28, 1984.