



**Airworthiness
Directive
2001-345**

Luftfahrt-Bundesamt
Airworthiness Directive Section
Hermann-Blenk-Str. 26
38108 Braunschweig
G E R M A N Y

Fischer + Entwicklungen

Effective Date: 13 December 2001

Affected:

Kind of aeronautical product:	Propeller
Manufacturer:	Fischer + Entwicklungen, 84034 Landshut, Germany
Type:	TOP
Models affected:	all models and variants
Serial numbers affected:	all
German Type Certificate No.:	32.110/25

Subject:

Propeller blade airfoil thickness

Reason:

On some "TOP"- propellers a significant increase of the blade airfoil thickness was established due to swelling effects of the inner foam core. A deterioration of the airfoil thickness may lead to severe vibration and reduction in propeller thrust. The actions specified by this AD are intended to detect propeller blade swelling which could result in severe vibration and reduction in propeller thrust.

Action:

The following actions are required by this Airworthiness Directive in order to address this problem:

1. Inspection of the propeller blade airfoil thickness.
2. Repetitive inspections of the propeller blade airfoil thickness.
3. Replacement of damaged propeller blades.
4. Information of the local authority if the propeller blades have to be replaced as a result of the mentioned problems.

All necessary actions must be carried out on the basis of the mentioned manufacturer service bulletin.

Compliance:

For the mentioned actions the following compliance times have been laid down:

1. Before the next flight.
2. With each preflight check.
3. Before the next flight after the increase of the blade airfoil thickness has been determined.
4. Immediately after the increase of the blade airfoil thickness has been determined.

Technical publication of the manufacturer:

Fischer + Entwicklungen Service Bulletin SB No. 32.110/25/1 dated 29 October 2001. This Service Bulletin becomes herewith part of this AD and can be obtained from:

Fischer + Entwicklungen
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Enquiries regarding this Airworthiness Directive should be referred to Mr. Martin Borsum, Airworthiness Directive Section at the above address,

fax-no. 0049 531/2355-720. Please note, that in case of any difficulty, reference should be made to the German issue!