
Sektion 2. Utlandstillverkad flygmateriel

TITEL: **Kontroll av bränslepumpdrivning**

GÄLLER: Alla Franklin 6A-350-... och 4A-235-... motorer tillverkade av Franklin Engine Co., Inc. Syracuse, NY, USA utrustade med PLL-7 " slide vane fuel pump".

ÅTGÄRD: Utför åtgärder enligt bifogad GILC AD Nr. SP-0048-2003-B och Franklin SB Nr. PZL-F/75/2003.

TID FÖR ÅTGÄRD: Innan nästa flygning

UNDERLAG: Franklin Service Bulletin Nr. PZL-F/75/2003, daterad juni 2003.

REFERENS: GILC AD Nr SP-0048-2003-B

BESLUTSDATUM: 25 juli 2003

LFS 2003: 89

Åtgärder enligt LVD utgör nödvändig förutsättning för ifrågavarande flygmateriels luftvärdighet. Referens BCL M 1.11.
Anteckning om åtgärd, som vidtagits i enlighet med LVD, skall införas i teknisk journal för berörd flygmateriel med hänvisning till ifrågavarande LVD-nummer. Angivet underlag refererar till senast gällande revision/utgåva. LVD utges i luftfartsverkets författningssamlingar LFS.

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Warsaw, 07.07.2003
day/month/year

ULC/LTT-1/048/2003/AD

Subject: Issuance of the Airworthiness Directive

NOTICE
To Whom It May Concern

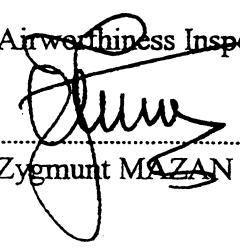
This NOTICE approves and makes Mandatory the Airworthiness Directive N° SP-0048-2003-B,
Dated: July 7, 2003

This Airworthiness Directive concerns: All 6A-350-... and 4A-235-... engines manufactured by Franklin Engine Co., Inc. Syracuse, NY, USA, equipped with a PLL-7 slide vane fuel pump.

Reason for the issuance of this Airworthiness Directive: Occurrence of diametral pitches of mating gears of fuel pump drive.

Enclosures: 1. Airworthiness Directive N° SP-0048-2003-B;
2. Service Bulletin N° PZL-F/75/2003.

Chief Airworthiness Inspector


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Zygmunt MAZAN

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LVD 3349

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SERVICE BULLETIN

DATE: JUNE 2003

NUMBER: PZL-F/75/2003

CATEGORY: MANDATORY

NAME – TYPE/MODEL: FRANKLIN 6A-350-...and 4A-235-...engines.manufactured by Franklin Engine Co., Inc. Syracuse, NY, USA

SERIES / NUMBER: All 6A-350-... and 4A-235-... engines manufactured by Franklin Engine Co., Inc. Syracuse, NY, USA, equipped with a PLL-7 slide vane fuel pump

REFERS TO: Checking for proper mating of the gears

TIME OF ACCOMPLISHING: After receiving the Bulletin

Approved by the Civil Aviation Office

This Bulletin is the translation from Polish language, made by WSK "PZL-Rzeszów".

It has been reported that in one case the mating gears: (PZL P/N 26.11.0132) of the PLL-7 slide vane fuel pump introduced in Bulletin PZL-F/72/2002 and the original Franklin Engine Co., Inc. (FEC) fuel pump drive gear manufactured in the USA, have a different diametral pitch. This has been confirmed by actual measurements of the diametral pitches of the two gears in question.

Different diametral pitch of both gears can result in a whining sound coming from the engine when it is operating. It can also cause abnormal wear of the gear teeth. The engine that has mating gears of different diametral pitch can not be run. Thus, during installation of the slide vane fuel pump per bulletin PZL-F/72/2002 (PZL-F/72A/2002) or PZL-F/73/2002 (F/73A/2002) it is required to check the diametral pitch of gears in question.

In case the diametral pitch of both gears is found to be different, PZL advice operator to replace PZL manufactured fuel pump drive gear with the original FEC diaphragm pump drive gear.

Should the necessary equipment to perform diametral pitch measurement not be available, an equivalent option for providing the workability is to replace the PZL manufactured fuel pump drive gear with the FEC manufactured diaphragm pump drive gear without making diametral pitch measurement.

PZL is preparing a Bulletin with instructions for gear replacement.