

T-807 ALERT SERVICE BULLETIN

Subject:	Increased Monitoring of Engine Chip Detectors
TIMKEN Part Number(s):	Sun Gear P/N's: E3028456, E3037304, Planet Gear P/N's: E3101455-02, E3101525-02
Engine Application(s):	Pratt and Whitney Canada PT6A-38, -41, -42, -42A, -61, -62, -64, -66, -66B, -110, -112, -114, -114A, -121, -135, -135A Rev. IR dated November 30, 2011
Revision History:	Rev. A dated February 12, 2016 Updated TIMKEN (TAATI) to EXTEX Engineered Products.
NOTE:	On 10-20-15, TAATI acquired by Kaman Corporation and renamed EXTEX Engineered Products.

REASON:

Timken Alcor Aerospace Technologies, Inc. (TAATI) has received reports of premature wear and damage of 1st stage sun and planet gears used in the engine models listed above.

These events have prompted TAATI to recommend increased monitoring of the engine oil system. It also underscores the importance of periodic monitoring of oil filters and other indicators of oil system cleanliness/health.



WARNING

Failure of the 1st stage sun or planet gear may result in damage to the reduction gear system and a possible In Flight Shutdown creating a risk of property damage, serious injuries, or fatality.

APPLICABILITY:

This ASB is applicable to TAATI sun gear and planet gear set part numbers listed above having the following serial numbers:

P/N: E3028456
P/N E3037304
P/N E3101455-02

S/N: PC4-113 and earlier and SG35-085 and earlier
S/N: PC6-073 and earlier
S/N: EE-197 and earlier, EE-4094 and earlier and EE-4113

(Note: this ASB only applies to part number E3101455-02 when installed in the above listed engine models. This part number, when installed in other engines, may be affected by TAATI ASB T-804 Rev. A and Rev. B, and FAA Airworthiness Directive 2011-20-51)

P/N E3101525-02

S/N: EE-103 and earlier and EE-4098 and earlier

ACCOMPLISHMENT INSTRUCTIONS:

Inspect magnetic oil plug (chip detector) for collected debris within 10 operating hours following receipt of this alert service bulletin and at every 25 operating hours thereafter.

If debris is observed, determine if the debris is allowable or non-allowable according to the applicable Type Certificate Holder (TCH) engine maintenance manual instructions. If the debris is classified as non-allowable, investigate the debris source in accordance with the applicable TCH engine overhaul or maintenance manual and inspect the affected sun and planet gears.

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Timken 1st Stage Reduction Gear System

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Revision: A

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If either sun or planet gears exhibit wear in excess of maintenance manual limits, contact EXTEX Engineered Products customer service and obtain a RMA number, then return both the sun and planet gears to EXTEX.

Record compliance with this alert service bulletin in the applicable section of the engine log book at each inspection. The entry should include part number, serial number and a reference to SB #T-807 Rev.IR.

You may contact EXTEX to request a log sheet to help record all inspections performed in accordance with this alert service bulletin.

APPROVAL:

This document is FAA approved.