

**TIMKEN Reduction Gear Bearings**  
**Set No. E3035020 (P/N E3101985-03)**  
**Set No. E3035029 (P/N E3101985-05)**  
**Set No. E3035030 (P/N E3101985-02)**  
**Set No. E3035031 (P/N E3101985-01)**

Revision: B

Issued: 2/12/16

**T-803 Service Bulletin**

**PT6A Oil System Monitoring**

<b>Engine Application(s):</b>	Set No.: E3035020	Pratt & Whitney Canada PT6A-27, -28, -34, -34AG, -34B, -36, -66, -66B, -110, -112, -114, -114A, -121, -135, -135A.
	Set No.: E3035029:	Pratt & Whitney Canada PT6A-45A, -45B, -45R, -60A, -60AG, -65B, -65R, -65AR, -65AG, -67, -67R, -67A, -67AF, -67T
	Set No.: E3035030 & E3035031	Pratt & Whitney Canada PT6A-6, -6A, -6B, -11, -11AG, -15AG, -20, -20A, -20B, -21, -25, -25A, -27, -28, -34, -34AG, -34B, -36, -38, -40, -41, -41AG, -42, -42A, -6/C20, -61, -61A, -62, -112
<b>Subject:</b>	Oil System Monitoring	
<b>Compliance:</b>	Per Engine Manufacturer Instructions	
<b>Revision History:</b>	Rev. A Dated 6/5/12 Rev. B Dated 2/12/16 Updated TIMKEN to EXTEX Engineered Products.	

At the time of the original revision of this Service Bulletin (Rev. IR dated 2/10/10), EXTEX Engineered Products had received reports of oil system contamination attributable to a deterioration of the bronze liner in the 2<sup>nd</sup> stage reduction planet gear bearing. At the date of the original revision (2/10/10), these reports were limited to bearings of P/N E3035030 shipped between October 2008 and December 2009.

We have subsequently determined that the deterioration was due to a shift of the bronze liner. There have been additional isolated incidents of bronze liner shift that could potentially contaminate the oil system or cause other malfunctions. While this movement has not resulted in any confirmed service difficulties to date, this bulletin has been expanded to include awareness for the following:

P/N E3035020 shipped between February 2009 and February 2010

P/N E3035029 shipped between August 2009 and November 2011

P/N E3035031 shipped between November 2008 and May 2011

These events underscore the importance of periodic monitoring of oil filters, chip detectors, and other indicators of oil system cleanliness/health. In addition, operators should be alert for other possible indicators of bearing deterioration, such as changed levels of reduction gearbox vibration.

**CAUTION:**

**CONTINUED OPERATION OF AN ENGINE WITH A DETERIORATED PLANET GEAR BEARING MAY RESULT IN DAMAGE TO REDUCTION GEARBOX COMPONENTS.**

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While the bearings have been determined to comply with the approved design data, EXTEX has incorporated several improvements into the manufacturing process of future bearings that address this issue.

EXTEX encourages all operators to follow the engine manufacturer's approved maintenance practices applicable to your engine model. If evidence of bronze is found in the oil system, EXTEX recommends that your investigation include the subject planet gear bearing(s).

EXTEX also recommends, for those engines with these bearings installed, that your oil filter examination interval should not extend beyond 100 hours.

Please contact your EXTEX representative with any questions.