

T-404 Inspection Limits and Repair

Second Stage Turbine Blade Radiographic Inspection Information

Engine Application(s):	GTCP331-200/-250 Series APUs		
Subject:	E3840008-2 Blade Inspections		
Compliance:	At next access or earlier at customer option.		
Notes:	Refer to OEM published data for inspection, engine operation and disassembly.		
Revisions:	NC	Dated 6/03/05	Initial Release.
	A	Dated 8/04/09	Updated EXTEX to TIMKEN.
	B	Dated 2/08/16	Updated Timken to EXTEX Engineered Products.

REASON:

Some Extex blades manufactured before June 2004 may have latent casting defects that could result in blade failure.

DESCRIPTION:

This document gives instructions for inspection and acceptance of Extex blades based on finished part lot number and casting lot number.

WEIGHT AND BALANCE:

Not Affected.

PREREQUISITES:

None.

ACCOMPLISHMENT INSTRUCTIONS:

Inspect Extex blades for the following part markings:

- Casting Lot Number: Located on the top of the platform. The casting lot number can be inspected while the blade is assembled in the turbine wheel. See Figure 1.
- Finished Part Lot Number: Located below the platform on the low-pressure side of the blade toward the leading edge. See Figure 1.
- SB Number: Located below the platform on the low-pressure side of the blade toward the trailing edge. See Figure 1.

Refer to Table 1 for disposition.

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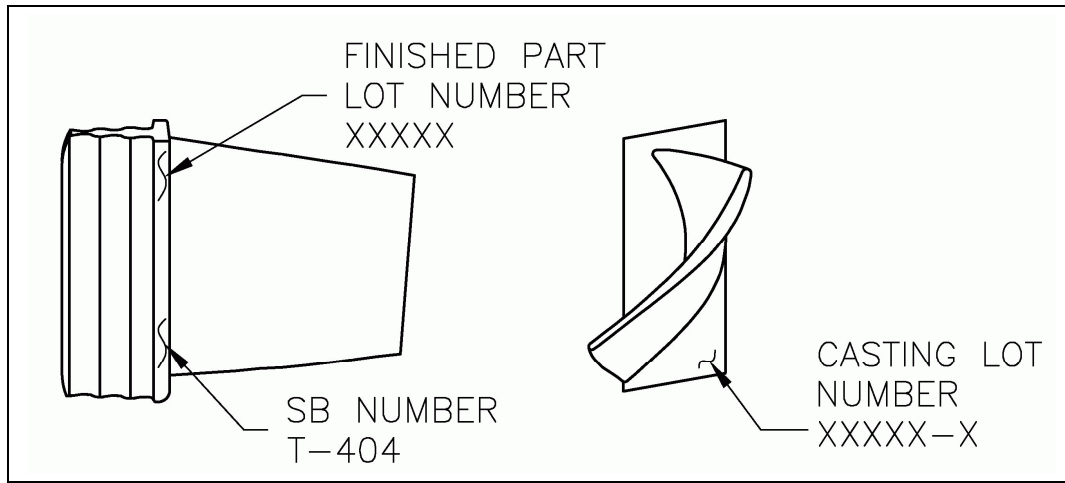


FIGURE 1: PART MARKING LOCATIONS

TABLE 1

Identification	Disposition Code
Extex Blades containing casting lot number 12897 (disregard dash number) or higher	A
Extex Blades containing finished part lot number 50022 or higher	A
Extex Blades containing the marking "T-404"	A
Extex Blades marked with casting lot number less than 12897 without the marking "T-404".	B
Extex Blades marked with finished part lot number less than 50022 without the marking "T-404"	B

Note: Blades containing 4-digit lot numbers were produced before the latest inspection criteria. Remove blades and return to Extex for disposition.

Code A: Blades may be returned to service. Make a note in the log book showing compliance with this service bulletin.

Code B: Record installation date, removal date, and hours in service. Remove blades and return to Extex for disposition.

MATERIAL INFORMATION:

Blades returned to Extex, must have the following information attached:

Installation date, removal date, and hours of service.

The returned blades should be addressed as follows:

Extex Engineered Products, Inc.
Attn: APU Sales Manager
3110 N. Oakland
Mesa, AZ 85215