

## 2019 ULTRAX CBI™ AMC Event Instructions

<b>Company</b>	Acme MRO
<b>Work Authorized</b>	T700 Engine Service Induction with Borescope Inspection
<b>Work Order</b>	<i>(ULTRAX WILL PROVIDE UNIQUE # per TEAM)</i>

### Overview

Using the Acme MRO T700 Service Induction Template and Olympus Borescope provided, to document the following T700 engine conditions during a service induction:

1. History Counters
2. Operational Observations
3. Compressor Blade Images & Measurements<sup>1</sup>

### Instructions

- Using the provided laptop and Acme MRO T700 Service Induction Template, record the job number and engine details requested.
- Using Acme MRO's Service Induction Template, click "CAPTURE BLADE IMAGES"
- Using the Olympus Borescope (provided), inspect the first stage compressor blades for FOD (Foreign Object Damage) to the leading edges. Rotate the compressor blades using the provided tools to inspect other compressor blades.
- Measure the first damaged blade observed, then measure the next 9 (sequential) blades, rotating the blades using the tools provided.
- Using the Borescope, select "MEASURE" on the video screen. The video screen will enter stereo depth mode.
- Re-select "MEASURE" on the video screen to select the measurement METHOD.
- Select "DISTANCE" as the measurement METHOD.
- Measure from the root of the leading edge to the damaged part of the leading edge (the undamaged length of the leading edge). If there is no damage, measure the entire length of the leading edge of the blade.
  - Using the borescope MEAS/OK joystick, position the **RED X** crosshair on the root of the leading edge of the pre-positioned compressor blade.
  - Press the MEAS/OK joystick to select that point.
  - Using the borescope MEAS/OK joystick, position the **RED X** crosshair on the end of the undamaged portion of the leading edge of the compressor blade.
  - Press the MEAS/OK joystick to select that point. The borescope will measure the length.
- Using Acme MRO's Service Induction Template, confirm the blade image and measurement is displayed, then click "CAPTURE" to store the image.

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<sup>1</sup> Ten (10) sequential compressor blades images and measurements are required to complete the event

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- Enter the measurement in the “BLADE MEASUREMENT” box, *including the units*.
- Click “SAVE” and then “YES” to Proceed with Current Image and Measurement.
- Using the Olympic Borescope, select “LIVE” on the video screen to proceed with the next compressor blade image and measurement.
- REPEAT process, capturing images and measurements for total of ten (10) sequential compressor blades.
- Using Acme MRO’s Service Induction Template, click “GENERATE PDF”.
- DRAG & DROP the PDF into the black box in the CBI Web App.
- In the Email Webpage, click on the link in the notification email.

### Task List

1. Enter Work Order (provided above), **CLOCK STARTS**
2. Enter History Counter
  - a. LCF1
  - b. LCF2
  - c. INDEX
  - d. HOURS
3. Inspect the Oil Filter Differential Pressure Indicator
  - a. Enter ‘IN’ or ‘OUT’
4. Inspect the Power Output Shaft (manually spin)
  - a. Enter ‘YES’ or ‘NO’
5. Capture Blade Images and Measurements
  - a. Beginning with the first damaged blade observed, measure ten (10) compressor blades, in sequential order.
6. Generate PDF
7. Place PDF in CBI Web App (drag-and-drop)
8. Review CBI Notification Email
9. Click link in email to open the Notifications Detail page, **CLOCK STOPS**

### Bonus

1. Capture Image & Measurement
  - a. Complete Tasks 5-9 above for an additional five (5) compressor blades
    - i. **60 second bonus**
  - b. Complete Tasks 5-9 above for final five (5) compressor blades
    - i. **60 second bonus**

**NOTE – Remember to check the [2019 ULTRAX AMC Webpage](#) on April 1, 2019 for the instructional video.**

Total Time: \_\_\_\_\_

Bonus Time: \_\_\_\_\_

Penalty Time: \_\_\_\_\_

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