## ENGINE/APU BORESCOPE INSPECTION REPORT

<table>
<thead>
<tr>
<th>ENG/APU type</th>
<th>Serial No</th>
<th>WO Pack No</th>
<th>ATA. REFERENCE:</th>
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<tbody>
<tr>
<td>CF34-10E</td>
<td></td>
<td></td>
<td>EMBRAIR 195, CF34-10E,</td>
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<table>
<thead>
<tr>
<th>Owner:</th>
<th>W.O No</th>
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<tbody>
<tr>
<td>KALSTAR</td>
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<tr>
<th>Reason of Borescope</th>
<th>TSN:</th>
<th>TSO:</th>
<th>TSI:</th>
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<tbody>
<tr>
<td>A/C - ACIDENT</td>
<td>UNK</td>
<td>N/A</td>
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<tr>
<th>A/C Reg.</th>
<th>Engine Pos</th>
<th>Station</th>
<th>Date</th>
<th>Distribution:</th>
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<tbody>
<tr>
<td></td>
<td># 1</td>
<td></td>
<td>08 MAR 2016</td>
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### BORESCOPE RESULT:

![Borescope Image]

#### A. FAN AND BOOSTER MODULE.

**Fan Blades.**

**All Fan Blades damaged.**

- Unserviceable /out of limit.
Booster blades stage 2.
No defect found - Dirty condition.

Booster blades stage 3.
No defect found - dirty condition.

Booster blades stage 4.
Found 1ea small nicked - in limit.
B. HP COMPRESSOR MODULE

**HP Compressor blades stage 1.**
Nicked 1ea - in limit.

**HP Compressor blades stage 2.**
No defect found

**HP Compressor blades stage 3.**
Dented/ Nicked 3ea - in limit.
**HP Compressor blades stage 4.**
Missing material 3ea and Nicked 2ea- in limit

**HP Compressor blades stage 5.**
Missing material 3ea - in limit.

**HP Compressor blades stage 6.**
Missing material 5ea and Nicked 1ea- in limit
HP Compressor blades stage 7.
Dented 2ea - in limit.

HP Compressor blades stage 8.
Dent 2ea and small nick 2ea - in limit

HP Compressor blades stage 9
Small nick 7ea and Nick 1ea - in limit.
C. COMBUSTION SECTION.

Combustion chamber spectacle
No defect found.

Combustion chamber inner and outer liner
No defect found.

Combustion chamber inner and outer liner
No defect found.
D. HP TURBINE NOZZLE

HP Turbine nozzles
No defect found

E. HP TURBINE BLADE

HP Turbine blades leading edge
- Some Blades Have missing thermal barrier coating / flaking - Permitted).
HP Turbine blades Trailing edge
No defect found.

HP Turbine blades notch
Found 2ea notch available

F. HP TURBINE SHROUD

HP Turbine shroud
No defect found
G. LP TURBINE NOZZLE STG 1.

LP Turbine Nozzles stage 1 leading edge
No defect found.

H. LP TURBINE BLADES STG 1 THRU STG 4.

LP Turbine blades leading edge stage 1
No defect found

LP Turbine blades stage 2
Plug can not open

LP Turbine blades stage 3
Plug can not open
LP Turbine blades leading edge stage 4

No defect found.

HPC blade stage 1.
- In limit

HPC blade stage 3.
- In limit
HPC blade stage 4.
- In limit.

HPC blade stage 5.
- In limit

HPC blade stage 8.
- In limit
HPC blade stage 9.
Measurements defect – Ref to: **CF34-10E ENGINE MANUAL** – Rev 28, 11/30/2015.
- In limit

**Variable stator vanes found:** Accumulation of foreign material deposited on surfaces.(Galling).

**SUGESTION / RECOMENDATION:**

1. Repair the HPC blade stage 1 true stage 9 have identification damaged by Top case repair.
2. **Engine - Unserviceable due to Fan Blades damaged.**

I certify that all defects and characteristics have been inspected and justified as per maintenance manual requirement.

<table>
<thead>
<tr>
<th>Performed by</th>
<th>:</th>
<th>Authorized No.</th>
<th>:</th>
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<tbody>
<tr>
<td>Personal No</td>
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<td>Signature</td>
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