Boroscopy Inspection Report

Prepared for: Westcan aircraft Sales
Customer Company Name

Aircraft type: Piper
Registration number: N9279A
S.A.L. Work order number: TCN SB299157
Customer Purchase Order: 1090

Prepared by: Satish Lal
S.A.L. Field Service Representative
**Engine Information:**

<table>
<thead>
<tr>
<th>Engine Model: PT6A-61</th>
<th>Engine S/N: PCE 99081</th>
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<tbody>
<tr>
<td>TTSN: 6569.4</td>
<td>TCSN: 4124</td>
</tr>
<tr>
<td>TTSOH: 403.8</td>
<td>TCSOH: 261</td>
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<tr>
<td>TTSHSI: N/A</td>
<td>TCSHSI: N/A</td>
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**Work Scope Summary**

Standard Aero Ltd Calgary Service Centre carried out boroscope inspection of the Hot Section components as per the Pratt & Whitney Canada PT6A-61 maintenance manual P/N 3034342 R42 dated Dec 07, 2012. This report summarizes the observations/findings of the hot section components.

**Compressor Inlet**

Visual inspection of the first stage compressor blades displayed several first stage blades previously blended. First stage stator air foils displayed minor nicks on the leading edge. Inlet shroud was very clean.

**Compressor Turbine Balancing Assembly**

Boroscope inspection of the CT blades revealed no impact damage on CT Blades. The CT blades displayed sign’s of minor rubbing and material transfer. The CT Blades did not display any sign of erosion or sulphurdation.

**Nozzles**

Nozzles due in 70 hrs
Compressor Turbine Guide Vane Assembly

Boroscope inspection of the CT Guide vane assembly components revealed no cracks on the Guide vane outer ring. Inspection of the shroud segments displayed sign’s of rubbing and material transfer. The shroud segments did not show any buckling or curling and were in its location. The segments displayed no uneven gaps between adjacent segments.

Combustion Chamber

Inspection of the inner combustion chamber displayed no damage. The cooling rings did not display any sign of detoriation. There was no sign’s of carbon build up but there was no sign of carbon erosion.

PT2 Blades

Visual inspection of PT2 Blades no abnormalities

Conclusion

The boroscope inspection of the hot section components did not display any abnormalities.

Inspection Carried out By: ___________________________     ___________
Satish lal               Date