

# N53RD

## 1981 Cessna Citation I

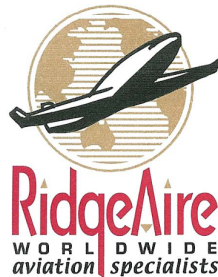
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# LH Engine Borescope

## 77347

## June 2024

**MSN: 500-0415**



*Prepared by the worldwide aviation specialists at RidgeAire, Inc.*



# JT15D Series Borescope Report

Customer: RidgeAire		Work Order #: N53RD	Order/Task: Engine BSI	Date: 3 June 2024	Tech: George Salazar
Model: JT15D-1A	Serial: LH PC-E77347	TSN: UNK	CSN: UNK	TSO: UNK	CSO: UNK

### Engine Installation and Condition on Arrival:

Engine SN PC-E77347 is installed in #1 position of Citation 500, N53RD, SN 500-415. Engine is in service.

INSPECTION POINT:	FINDINGS:
Inlet and Fan:	Dirty, no discrepancies noted at this time
Boost Rotor:	N/A
Stator Vane:	N/A
Inlet and Impeller:	Coating loss on inlet
Diffuser Tubes:	No discrepancies noted at this time
Deflector Segments/Ring:	N/A
Combustion Liner:	No discrepancies noted at this time
Small Exit Duct:	Minor erosion
HT Stator:	No discrepancies noted at this time
HT Blades:	1 each Airfoil has a Leading Edge Blister, No action Req'd at this time.
HT Segments:	Evidence of rub
1 <sup>st</sup> Stage LT Blades:	No discrepancies noted at this time
2 <sup>nd</sup> Stage LT Blades:	No discrepancies noted at this time
#4 Bearing Housing:	No discrepancies noted at this time

GENERAL INSPECTION:	FINDINGS:
Engine Installation:	Normal
State of Preservation:	N/A

### Additional Information:

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**Aircraft Registration No.**



**Airframe Data Plate**



**Engine Data Plate**



**Low Compressor (Fan)**



**Low Compressor (Fan)**



**Low Compressor (Fan)**



**Low Compressor (Fan)**



**Inlet Sensor**



**Inlet Coating Loss**



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**High Compressor (Impeller)**



**High Compressor (Impeller)**



**High Compressor (Impeller)**



**Inlet Coating Loss**



**Diffuser Tube**



**Diffuser Tube**



**Diffuser Tubes**



**Aft Side of HT Blades**



**Aft Side of HT Blades**



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S.E.D. and H.T. Stator



S.E.D. and H.T. Stator



S.E.D. and H.T. Stator



S.E.D. and H.T. Stator



Combustion Chamber Liner



Combustion Chamber Liner



Combustion Chamber Liner



Combustion Chamber Liner



H.T. Blades and Segments



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H.T. Blades and Segments



H.T. Blades and Segments



H.T. Blades and Segments



1<sup>st</sup> Stage Low Turbine Blades



2<sup>nd</sup> Stage Low Turbine Blades



HT Vane Airfoil



HT Vane Airfoil



HT Vane Airfoil