

N53RD

1981 Cessna Citation I

RH Engine

Borescope

76361

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: RH PC-E76361	TSN: UNK	CSN: UNK	TSO: UNK	CSO: UNK

Engine Installation and Condition on Arrival:

Engine SN PC-E76361 is installed in #2 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:	No discrepancies noted at this time
Diffuser Tubes:	No discrepancies noted at this time
Deflector Segments/Ring:	N/A
Combustion Liner:	No discrepancies noted at this time
Small Exit Duct:	Erosion & Buckling
HT Stator:	Outer wall crack radially, axially into Airfoil
HT Blades:	Blade's look good, however not much left on the tips
HT Segments:	Evidence of rub
1 st Stage LT Blades:	No discrepancies noted at this time
2 nd 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:

Cracks exceeding .020 gap must be repaired, as of inspection, your good to continue service



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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)



Low Compressor (Booster)



Inlet Sensor



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High Compressor (Impeller)



High Compressor (Impeller)



High Compressor (Impeller)



High Compressor (Impeller)



High Compressor (Impeller)



High Compressor (Impeller)



Diffuser Tubes



Diffuser Tube



Inlet Coating Loss



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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



Aft Side of H.T. Blades



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H.T. Blades and Segments



H.T. Blades and Segments



H.T. Blades and Segments



1st Stage Low Turbine Blades



2nd Stage Low Turbine Blades



HT Airfoil Crack



HT Vane Outer Wall Crack



HT Vane Outer Wall Crack



HT Vane Outer Wall Crack