



ENGINE EXAMINATION REPORT

ENGINE MODEL	TSIO-550-B2B
ENGINE SERIAL NUMBER	802090
AIRCRAFT MAKE & MODEL	Lancair IV
AIRCRAFT SERIAL NUMBER	021
AIRCRAFT REGISTRATION	N350CL
FILE NUMBER	19-046

NAME	SIGNATURE	DATE
Christopher Lang		August 27, 2019

ENGINE EXAMINATION REPORT**FILE NUMBER:**

19-046

ENGINE S/N:

N350CL

PAGE 2 of 6**GENERAL INFORMATION**

EXAMINATION		ACCIDENT DATA	
DATE	8/21/2019	NTSB ACCIDENT #	WPR19FA216
FACILITY	Inter-State Aviation	NTSB INVESTIGATOR	Andrew Swick
ADDRESS		FAA INVESTIGATOR	Terry Brewer
		ACCIDENT DATE	8/11/2019
		ACCIDENT LOCATION	Kooskia, Idaho

ENGINE INFORMATION

ENGINE POSITION	Front, Single
TOTAL TIME	Unknown
TIME SOH	Unknown
TYPE & TIME SLI	Unknown
BUILD DATE	6/5/1995
SHIP DATE	6/29/1995

Significant logbook information:

The aircraft and engine records have not been located at the time this report was written

Report Summary:

Search Code(s):

15-12-68

The engine sustained severe impact and thermal damage, however, no post-accident anomalies were noted that would have prevented normal operation and production of horsepower.

Disposition of engine following exam:

Insurance company storage at Inter-State Aviation, Pullman, Washington

ENGINE EXAMINATION REPORT**FILE NUMBER:**

19-046

ENGINE S/N:

N350CL

PAGE 3 of 6**INSPECTION WITNESSES**

NAME	Christopher Lang	NAME	Terry Brewer
ADDRESS	Mobile, Alabama	ADDRESS	Spokane, Washington
ORGANIZATION	Continental	ORGANIZATION	FAA – FSDO
PHONE		PHONE	
NAME		NAME	
ADDRESS		ADDRESS	
ORGANIZATION		ORGANIZATION	
PHONE		PHONE	

ENGINE EXAMINATION REPORT

FILE NUMBER:

19-046

ENGINE S/N:

N350CL

PAGE 4 of 6

EXTERNAL INSPECTION OF ENGINE

The engine had separated from the airframe in the accident sequence and was subject to the post-impact fire. Most of the engine accessories were impact separated from the engine and not recovered or observed with the airframe wreckage.



ENGINE EXAMINATION REPORT

FILE NUMBER:

19-046

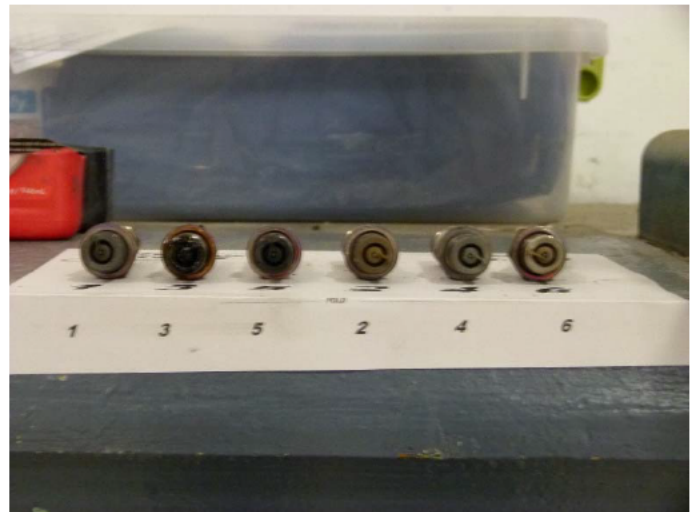
ENGINE S/N:

N350CL

PAGE 5 of 6

INTERNAL INSPECTION OF ENGINE

The top spark plugs were removed and exhibited light grey combustion deposits. The top spark plugs for cylinders 3 and 5 were oil soaked. The valve covers were removed and the valve stems and springs were intact and exhibited a residue of oil. The oil pump cover was removed and the oil pump gears were intact. The gears could not be removed and exhibited thermal discoloration. The cylinder combustion chambers were examined with a lighted bore scope with no anomalies noted. The number 1 and 2 fuel nozzles were the only fuel nozzles intact, they were removed and free of obstruction.



ENGINE EXAMINATION REPORT

FILE NUMBER:

19-046

ENGINE S/N:

N350CL

PAGE 6 of 6

