




Continental Motors

ENGINE EXAMINATION REPORT

ENGINE MODEL	O-470-R
ENGINE SERIAL NUMBER	84391-3-R-4
AIRCRAFT MAKE & MODEL	Cessna 182F
AIRCRAFT SERIAL NUMBER	18254796
AIRCRAFT REGISTRATION	N5738F
FILE NUMBER	15-098

NAME	SIGNATURE	DATE
Phillip Grice		10/19/2017

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PAGE 2 of 6**GENERAL INFORMATION****EXAMINATION****DATE** October 19, 2016**FACILITY** Continental Motors Inc.**ADDRESS** 2039 S Broad St
Mobile, AL 36615**ACCIDENT DATA****NTSB ACCIDENT #** WPR15FA236**NTSB INVESTIGATOR** Tealeye Cornejo**FAA INVESTIGATOR****ACCIDENT DATE** August 6, 2015**ACCIDENT LOCATION** Montecito, CA**ENGINE INFORMATION****ENGINE POSITION** Front**TOTAL TIME** Unknown**TIME SOH** 556.15 Hours**TYPE & TIME SLI** 35.75 Hours**BUILD DATE** Unknown**SHIP DATE** 03/22/1963

Significant logbook information: According to partial engine logbooks, the engine was overhauled by Corona Aircraft Engines on September 10, 2009. Oil analysis records from Blackstone Laboratories repeatedly warned of high metal contents in the oil samples submitted.

Report Summary:

Search Code(s):

15-12-40

The internal components of the engine exhibited signs of oil starvation resulting in the failure of the number 5 connecting rod. The cause of the oil starvation could not be determined.

Disposition of engine following exam:

The engine was shipped to Ray's Aircraft in Santa Paula, California

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NAME	Phillip Grice	NAME	Greg Eastburn
ADDRESS	Mobile, Alabama	ADDRESS	Mobile, Alabama
ORGANIZATION	Continental Motors	ORGANIZATION	Continental Motors
PHONE		PHONE	
NAME	Lisa Jersild	NAME	Chris Lang
ADDRESS	Mobile, Alabama	ADDRESS	Mobile, Alabama
ORGANIZATION	Continental Motors	ORGANIZATION	Continental Motors
PHONE		PHONE	
NAME	Josh Cawthra	NAME	Shaun Williams
ADDRESS	Seattle, Washington	ADDRESS	Anchorage, Alaska
ORGANIZATION	NTSB	ORGANIZATION	NTSB
PHONE		PHONE	

NAME	Noreen Price	NAME	Jim Cook
ADDRESS	Anchorage, Alaska	ADDRESS	Washington, DC
ORGANIZATION	NTSB	ORGANIZATION	NTSB
PHONE		PHONE	

NAME	Jim Hookey	NAME	Jan Smith
ADDRESS	Washington, DC	ADDRESS	Wichita, Kansas
ORGANIZATION	NTSB	ORGANIZATION	Textron Aviation
PHONE		PHONE	

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EXTERNAL INSPECTION OF ENGINE

The engine exhibited impact damage to the induction system and oil sump. The carburetor and all four engine mount legs were broken. A hole in the engine crankcase above the number six connecting rod was observed. A residue of oil was observed on the top and front of the engine crankcase.



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INTERNAL INSPECTION OF ENGINE

The engine was mount on a stand and disassembled. The number five connecting rod had fractured and separated from the crankshaft causing internal damage. Metal was located in the oil sump. The camshaft, connecting rods, crankshaft journals and bearings exhibited signs of oil starvation. The cause of this oil starvation could not be determined during the engine teardown examination. The Textron Aviation investigator reported the belly of the aircraft was coated with fresh oil at the scene of the accident.



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