

DATE

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9/19/97

Tach 1032.0

ENGTT 3452.0

TSMOH 0.0

PHOENIX AVIATION, INC.

CRSDEXR163D

Removed engine due to crack in left crankcase.

Disassembled engine for major overhaul. Ferrous parts were sent to ECI for inspection and machining as necessary. (see maint. releases for details.) Phase 1 type crankcase was rejected and replaced with a serviceable type III case from Divco. Cylinder assemblies installed at tach 813.0 were disassembled and inspected and all components found to be within new limits. Cylinder walls were deglazed and new rings fitted. Engine reassembled per Lycoming direct drive O/H manual and applicable service instructions. Lt. magneto impulse coupling inspected per AD 96-12-07 Accessories were visually inspected and reinstalled. C/W AD 93-02-05 fuel injection lines.

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DATE

PHOENIX AVIATION, INC.

Accessories were visually inspected and reinstalled.
C/W AD 93-02-05 fuel injection lines.

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PHOENIX AVIATION, INC.

CRSDEXR163D

C/W AD 95-26-13 oil cooler hose inspection. Engine
reinstalled and serviced with AeroShell 100 non-
detergent oil. Ground run satisfactory. Flight tested
1.3 hours. Parts used in overhaul listed below;
1ea 05K194235 Oil pump kit
12ea LW-12186 Nut
12ea 75060 Con-Rod bolt
1ea 73185-1 Gasket set
1ea Phase III Crankcase assembly
2ea LW-13885-M06 Bearing
6ea LW-13683-M06 Bearing
12ea LW-74309-M06 Bearing
6ea SL5401-SC Ring set
4ea 76220-P10 Thru-Stud
1ea 76148 Camshaft
See work order for the rest of the parts.

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PHOENIX AVIATION, INC.

CPSDEXR163D

Performed annual inspection and preventive maint.

TACH 1032 ACT 3452

ENG TSMOH L 0

PROPTSOH L 1653 R 3452

PHOENIX AVIATION • 18600 EDISON •

I CERTIFY THAT THIS AIRCRAFT ENGINE

ACCORDANCE WITH AN AVUW41 INSPECTION AND WAS DETERMINED

AIRWORTHY CONDITION

WORKORDER NO. 2637 DATE 9-19-97 DEXR163D

CHESTERFIELD, MO 63005



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