

CRANKSHAFT

inspection & maintenance

Side One

9/24/18 CRANKSHAFT
Cust. No. 18010 Terms met 10th Order No. 190380

P. Pony Aviation
Canaan Island (airfield)

CUSTOMER

WA 98282

SHIP TO

P. Pony Aviation
Canaan Island (airfield)

WA 98282

Contact: Steve Randi Reader
Phone: [redacted]

Qty: 1 P/N: 643911 S/N: [redacted]

Cust. P.O. No. 18-18
Arrived Via: UPS Ground

Ship Via: UPS Collect

Instructions: Recondition and certify. Don't grind without contacting customer first.

LABOR

qty. code / description

1-856
1-802
8-872

PARTS

qty. code / description

8-350998-std
1-536563-std

OUR RECOMMENDATIONS

main ☒ rebush
rod ☒ remount
other

INFORMATION IN THIS BOX DOES NOT REFLECT COMPLETED REPAIRS. SEE REVERSE SIDE OF THIS RECORD FOR FINAL DIMENSIONS AND OTHER RESULTS.

CUSTOMER'S RESPONSE

customer's name: Randi
approved ☒ date: 10/3/18
declined ☐ by: [redacted]

DISASSEMBLY

Oil control devices ☐ transfer tube ☐ threaded plug
☐ aluminum plug ☐ expansion plug
☒ transfer plug ☐ other: [redacted]

Counterweights qty. part no.

qty. pin no.

Drive gears ☐ rear ☐ front

Sludge tubes ☐ front ☐ rear ☐ mains ☐ rods

Prop flange bushings

Drive gear ☒ removed ☐ not removed
dowel ☐ removed by customer

Crankshaft counterweight bushings qty: 8

Prop shaft pilot bushing

Other (specify):

CLEANING & INSPECTION

Clean & visually inspect
Remarks:

Run out
Main journals

1	0	2	.0040
3	.0055	4	.0022
5	0	6	

Lyc. flange thickness Pilot Prop flange or shaft

	.0030	.0012
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Main journal diameters

1	2.3740	2	2.3739
3	2.3734	4	2.3743
5	2.3743	6	

Crankpin diameters

1	2.2491	2	2.2493
3	2.2492	4	2.2493
5	2.2487	6	2.2491
7		8	

Mag. particle & visual inspection ☒ passed ☐ failed

Discrepancies:

weight	1	2	3	4	5
value					

customer signature & date

requested here
if order is picked up

invoice no.

AEA

Aircraft Engine & Accessory Co., Inc.

FAA REPAIR STATION U1R533K
EASA CERTIFICATE 1455697

crankshaft0416

POLISHING & GRINDING

Repolish (at current undersize) mains crankpins mech

Regind to undersize mains crankpins mech

Mag. particle & visual inspection mech INSP

☐ passed ☐ failed

NITRIDING

Prepare for nitriding nitriding date OCT 05 2018 mech

Visually inspect before nitriding control no. 1847 INSP

Inspect run outs after nitriding

Main journals	
1	2
3	4
5	6

Pilot Prop flange or shaft mech

Inspect nitrided surface mech INSP

☒ passed ☐ failed

POLISH TO MICROFINISH

Main journal diameters

1	2
3	4
5	6

Crankpin diameters

1	2
3	4
5	6
7	8

Magnetic particle inspection mech INSP

Microfinish inspection mech INSP

☒ passed ☐ failed

CRANKSHAFT

inspection & maintenance

WORK ORDER NO.

190380

Side Two

REASSEMBLY & INSPECTION

Install pilot bushing & bore ID prop shaft OD mech

Install flange bushings qty. check location mech INSP

Install sludge tubes qty. mains rods front rear mech INSP

Install counterweight bushings in crankshaft cwt. qty. 4 mech

Install counterweights on crankshaft cwt. work order no. mech

Inspect counterweight location mech

Install gear dowel standard oversize mech

Install oil control devices

☐ threaded plug ☐ expansion plug

☐ aluminum plug ☐ transfer tube

☒ transfer plug ☐ other: mech

Drive gear front rear install Other mech

AD 2004-10-14: Crank gear recess ID inspect per SB 475 (as rev.) Next compliance due at next inspection. ID mech

Lycoming front main length mech

Other maintenance: mech

REASSEMBLY & INSPECTION

Results of inspection and/or repair of front main bore per SB 505 (as rev.):

☐ Not pitted ☐ Pitted

mech

N/A

AD 98-02-08: Corroded crankshaft ID & protective coating

☐ Bore complies with SB505 (as rev.), coated per SB530 (as rev.). No further compliance required.

☐ Pitted bore will not comply with SB505 (as rev.) Next inspection due within 100 hours TIS.

☐ Bore not eligible to coat per SB530 (as rev.). SB505 (as rev.) not applicable.

☐ AD applies.

☐ AD not applicable.

INSP

N/A

AD 97-26-17: Ultrasonic inspection & VAR identification

☒ UT inspected per TCM MSB 96-10 (as rev.) Next compliance due at next crankshaft removal.

☐ Crankshaft identified as VAR per TCM CSB 96-8 (as rev.) No further compliance required.

INSP

AD 99-19-01 & AD 2000-08-51: Failure of 1998 - 2000 production crankshafts

Crankshafts affected by ADs listed by serial no. in TCM MSB 99-3, 99-6 or 00-5 (as rev.)

☐ Crankshaft not affected. No further compliance required.

☐ Crankshaft inspected. Results of TCM inspection attached to this record. No further compliance required.

INSP

N/A

FINAL REMARKS

ADs accomplished not referenced elsewhere:

No. Title Method of accomplishment Compliance next due

N/A

N/A

N/A

The crankshaft identified above was repaired and inspected in accordance with Aircraft Engine & Accessory Co., Inc. Approved Process Specification AEAPS-1-001, and in accordance with current regulations of the Federal Aviation Agency. Serviceability of this unit for a specific use is the responsibility of the installer. Details of repairs and inspections will remain on file at this Repair Station for the period required by regulation.

IN INSPECTION DATE

OCT 24 2018

AEA

Aircraft Engine & Accessory Co., Inc.

FAA REPAIR STATION DTR633K EASA CERTIFICATE 1455697

crankshaft0416