

AA TT PRO 01a

Name of Assessed Person: Registration:

UNIT MEAMEC0073: Repair and Overhaul Aircraft Piston Engine Crankcase Assembly Components									
			No. of Entries	1	2	2	3	3	
	a.	Crankshaft, gears, con rods and counterweights Crankcase	Tail / Job No.						
		castings, bearings, component mounting pads and studs & Oil	LAME Sign.						
		system components.	Date						
			Simulated	Yes No	Yes	No	Yes	No	
			No. of Entries	1	2	2	(7)	3	
			Tail / Job No.						
	b.	b. Camshaft, hydraulic tappets/cam followers and gears LAME Sign. Date Simulated Yes No Ye							
1.			Yes No	Yes	No	Yes	No		
Determine requirements.			No. of Entries	1	2	2	3	3	
			Tail / Job No.						
	c.	Propeller shaft, reduction drive gear and quill shaft	LAME Sign.						
			Simulated	Yes No	Yes	No	Yes	No	
			No. of Entries	1	2	2	3	3	
			Tail / Job No.						
	d.	Component gear drives/trains	LAME Sign.						
			Date						
			Simulated	Yes No	Yes	No	Yes	No	

Performance Criteria:

- 1.1 Interpret and match component defect reports (removal tags) or customer order by part and serial numbers.
- 1.2 Inspected and/or operated crankcase assembly components through prescribed test procedures to establish serviceability and confirm defects, when required, while observing relevant work health and safety (WHS) procedures, including the use of material safety data sheets (MSDSs) and personal protective equipment (PPE).
- 1.3 Establish modification status to assist in determining the overhaul requirements for the components.
- 1.4 Identify extent of overhaul or repair and document in accordance with standard enterprise procedures.

R: 3



AA TT PRO 01a

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UNIT MEAMEC0073: Repair and Overhaul Aircraft Piston Engine Crankcase Assembly Components										
			No. of Entries		L	2	2	:	3	
		Constitution bearings assume the contract of t	Tail / Job No.							
	e.	Crankcase castings, bearings, component mounting pads and studs	LAME Sign.							
		stuus	Date							
			Simulated	Yes	No	Yes	No	Yes	No	
			No. of Entries	-	L	2	2	3	3	
			Tail / Job No.							
1. Cont'd	f. Oil system components LAME Sign. Date Simulated Yes No Y									
			No	Yes	No	Yes	No			
Determine requirements.			No. of Entries	-	L	2	2	(1)	3	
	_	Consumbarian and touch a charge a consumant of the constitute of if	Tail / Job No.							
			LAME Sign.							
		not applicable to enterprise)	Date							
			Simulated	Yes	No	Yes	No	Yes	No	
		Supercharger and turbocharger components (may be omitted if not applicable to enterprise) Tail / Job No. LAME Sign. Date	2	2	3	3				
			Tail / Job No.							
	h.	Propeller governor (may be omitted if not applicable to enterprise)	LAME Sign.							
			Date							
			Simulated	Yes	No	Yes	No	Yes	No	

Performance Criteria:

- 1.1 Interpret and match component defect reports (removal tags) or customer order by part and serial numbers.
- 1.2 Inspected and/or operated crankcase assembly components through prescribed test procedures to establish serviceability and confirm defects, when required, while observing relevant work health and safety (WHS) procedures, including the use of material safety data sheets (MSDSs) and personal protective equipment (PPE).
- 1.3 Establish modification status to assist in determining the overhaul requirements for the components.
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			No. of Entries	1		2	(1)	3	
	a.	Crankshaft, gears, con rods and counterweights Crankcase	Tail / Job No.						
		castings, bearings, component mounting pads and studs & Oil	LAME Sign.						
		system components.	Date						
			Simulated	Yes No	Yes	No	Yes	No	
			No. of Entries	1		2	3	3	
			Tail / Job No.						
	b.	Date Simulated Yes No							
2.									
Dismantle and inspect piston			Yes No	Yes	No	Yes	No		
engine crankcase assembly			No. of Entries	1		2	3	3	
components or parts.			Tail / Job No.						
	c.	Propeller shaft, reduction drive gear and quill shaft	LAME Sign.						
			Simulated Yes No Yes No. of Entries 1 Tail / Job No. LAME Sign. Date						
			Simulated	Yes No	Yes	No	Yes	No	
			No. of Entries	1	:	2	3	3	
			Tail / Job No.						
	d.	Component gear drives/trains	LAME Sign.						
			Date						
		Simulated	Yes No	Yes	No	Yes	No		

- 2.1 Dismantle crankcase assembly component parts in accordance with maintenance manual and/or enterprise procedures while observing relevant WHS procedures, including the use of MSDSs and PPE.
- 2.2 Assess component parts for serviceability in accordance with the relevant maintenance documentation.
- 2.3 Tag parts requiring specialist repair and specify repair instructions in accordance with standard enterprise procedures.
- 2.4 Prepare parts requiring non-destructive testing (NDT) for testing in accordance with the relevant maintenance documentation.
- 2.5 Compile and process parts lists in accordance with standard enterprise procedures.



AA TT PRO 01a

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UNIT MEAMEC0073: Repair and Overhaul Aircraft Piston Engine Crankcase Assembly Components									
			No. of Entries	1		2	2	:	3
		Cupulcana anatinga haguinga angganant magunting nada and	Tail / Job No.						
	e.		LAME Sign.						
	Date								
			Simulated	Yes	No	Yes	No	Yes	No
	f. Oil system components No. of Entries 1 Tail / Job No. LAME Sign. Date					2	2	:	3
			Tail / Job No.						
2. Cont'd Dismantle and inspect piston	f.	Date	LAME Sign.						
			Simulated	Yes	No	Yes	No	Yes	No
engine crankcase assembly	<u></u>	No. of Entries	1		2	2	:	3	
components/parts.	_	Cuparahargar and turbachargar components (may be amitted if	Tail / Job No.						
	g.		LAME Sign.						
		not applicable to enterprise)	Date						
			Simulated	Yes	No	Yes	No	Yes	No
		Crankcase castings, bearings, component mounting pads and studs LAME Sign. Date	2	2		3			
			Tail / Job No.						
	h.	Propeller governor (may be omitted if not applicable to enterprise)	LAME Sign.						
			Date						
			Simulated	Yes	No	Yes	No	Yes	No

Performance Criteria:

- 2.1 Dismantle crankcase assembly component parts in accordance with maintenance manual and/or enterprise procedures while observing relevant WHS procedures, including the use of MSDSs and PPE.
- 2.2 Assess component parts for serviceability in accordance with the relevant maintenance documentation.
- 2.3 Tag parts requiring specialist repair and specify repair instructions in accordance with standard enterprise procedures.
- 2.4 Prepare parts requiring non-destructive testing (NDT) for testing in accordance with the relevant maintenance documentation.
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R: 3



AA TT PRO 01a

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UNIT MEAMEC0073: Repair and Overhaul Aircraft Piston Engine Crankcase Assembly Components									
			No. of Entries	1	2	2	(1)	3	
	a.	Crankshaft, gears, con rods and counterweights Crankcase	Tail / Job No.						
		castings, bearings, component mounting pads and studs & Oil	LAME Sign.						
		system components.	Date						
			Simulated	Yes No	Yes	No	Yes	No	
			No. of Entries	1	2	2	3	3	
			Tail / Job No.						
	b.	Camshaft, hydraulic tappets/cam followers and gears	LAME Sign.						
3.		Date							
Repair and modify piston engine crankcase assembly				Yes	No	Yes	No		
components or component			No. of Entries	1	1	2	3	3	
parts.			Tail / Job No.						
par ser	c.	Propeller shaft, reduction drive gear and quill shaft	LAME Sign.						
			Date						
			Simulated	Yes No	Yes	No	Yes	No	
			No. of Entries	1	2	2	3	3	
			Tail / Job No.						
	d.	Component gear drives/trains	LAME Sign.						
			Date						
			Simulated	Yes No	Yes	No	Yes	No	

- 3.1 Repair or replace components and component parts in accordance with the relevant maintenance documentation.
- 3.2 Modify components and components parts when required by reference to relevant manufacturer's bulletins or procedures, regulatory requirements and/or customer requirements while observing relevant WHS procedures, including the use of MSDS and PPE.



AA TT PRO 01a

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UNIT MEAMEC0073: Repair and/or Overhaul Aircraft Piston Engine Crankcase Assembly Components									
			No. of Entries	1		2	2	(1)	3
		Crankease sastings hearings component mounting hads and	Tail / Job No.						
	e.	Crankcase castings, bearings, component mounting pads and	LAME Sign.						
		stuus	Date						
			Simulated	Yes	No	Yes	No	Yes	No
	f. Oil system components Tail / Job No. LAME Sign. Date Simulated Yes No Yes No Yes No. LAME Sign. Date Simulated Yes No Yes No. LAME Sign. Date Simulated Yes No Yes No. Tail / Job No. LAME Sign. No. of Entries 1 2 Tail / Job No. LAME Sign. No. of Entries 1 2 Tail / Job No. LAME Sign. No. of Entries 1 2 Tail / Job No. LAME Sign.						2	3	3
			Tail / Job No.						
3. Cont'd	f.	Oil system components	LAME Sign.						
			Date						
Repair and modify piston		Simulated	Yes	No	Yes	No	Yes	No	
engine crankcase assembly		Simulated Yes No. of Entries 1 Supercharger and turbocharger components (may be omitted if	Ĺ	2	2	3	3		
components or parts.	σ.	Supercharger and turbocharger components (may be amitted if	Tail / Job No.						
	g.	not applicable to enterprise)	LAME Sign.						
		not appreadic to enterprise;	onents (may be omitted if Simulated No. of Entries Tail / Job No. LAME Sign. Date Simulated						
			Simulated	Yes	No	Yes	No	Yes	No
			No. of Entries	1	_	2	2	3	3
			Tail / Job No.						
	h.	Propeller governor (may be omitted if not applicable to enterprise)	LAME Sign.						
			Date						
		Simul	Simulated	Yes	No	Yes	No	Yes	No

- 3.1 Repair or replace components and component parts in accordance with the relevant maintenance documentation.
- 3.2 Modify components and components parts when required by reference to relevant manufacturer's bulletins or procedures, regulatory requirements and/or customer requirements while observing relevant WHS procedures, including the use of MSDS and PPE.



AA TT PRO 01a

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			No. of Entries	1		2	:	3	
	a.	Crankshaft, gears, con rods and counterweights Crankcase	Tail / Job No.						
		castings, bearings, component mounting pads and studs & Oil	LAME Sign.						
b.		system components.	Date						
			Simulated	Yes No	Yes	No	Yes	No	
			No. of Entries	1		2		3	
			Tail / Job No.						
	b.	Date							
Assemble, test and adjust				No	Yes	No			
piston engine crankcase			No. of Entries	1		2		3	
assembly components.			Tail / Job No.						
	c.	Propeller shaft, reduction drive gear and quill shaft	LAME Sign.						
			Date	Yes No Yes No Yes Yes					
			Simulated	Yes No	Yes	No	Yes	No	
			No. of Entries	1	:	2		3	
			Tail / Job No.						
	d.	Component gear drives/trains	LAME Sign.						
			Date						
			Simulated	Yes No	Yes	No	Yes	No	

- 4.1 Assemble crankcase assembly component parts within specified tolerances and in accordance with the appropriate maintenance documents while observing relevant WHS procedures, including the use of MSDSs and PPE.
- 4.2 Test, adjust or calibrate components to operate within prescribed specifications, and seek required supervisory guidance for complex testing and adjustments.
- 4.3 Prepare crankcase assembly for engine reassembly.
- 4.4 Where components are not to be assembled into an engine, tag, seal and pack the finished components in accordance with standard enterprise procedures.
- 4.5 Complete required maintenance documentation and modification records and process in accordance with standard enterprise procedures.



AA TT PRO 01a

Name of Assessed Person: Registration:

UNIT MEAMEC0073: Repair and Overhaul Aircraft Piston Engine Crankcase Assembly Components									
			No. of Entries	1			2	3	3
			Tail / Job No.						
	e.	Crankcase castings, bearings, component mounting pads and studs	LAME Sign.						
		Date							
			Simulated	Yes	No	Yes	No	Yes	No
	f. Oil system components No. of Entries 1 Tail / Job No. LAME Sign. Date					2	- 3	3	
			Tail / Job No.						
4. Cont'd Assemble, test and adjust	f. Oil system components LAME Sign. Date								
			Simulated	Yes	No	Yes	No	Yes	No
piston engine crankcase			No. of Entries	1			2	- 3	3
assembly components.	_	Cuparabayaar and turbaabayaar components (may be amitted if	No. of Entries 1 2 Tail / Job No.						
	g.		LAME Sign.						
		not applicable to enterprise)	Date						
			Simulated	Yes	No	Yes	No	Yes	No
		Simulated Yes No No. of Entries 1 Tail / Job No. LAME Sign. Date Simulated Yes No No. of Entries 1 Tail / Job No. LAME Sign. Date Simulated Yes No No. of Entries 1	1	2		3			
			Tail / Job No.						
	h.	Propeller governor (may be omitted if not applicable to enterprise)	LAME Sign.						
			Date						
			Simulated	Yes	No	Yes	No	Yes	No

- 4.1 Assemble crankcase assembly component parts within specified tolerances and in accordance with the appropriate maintenance documents while observing relevant WHS procedures, including the use of MSDSs and PPE
- 4.2 Test, adjust or calibrate components to operate within prescribed specifications, and seek required supervisory guidance for complex testing and adjustments
- 4.3 Prepare crankcase assembly for engine reassembly
- 4.4 Where components are not to be assembled into an engine, tag, seal and pack the finished components in accordance with standard enterprise procedures
- 4.5 Complete required maintenance documentation and modification records and process in accordance with standard enterprise procedures



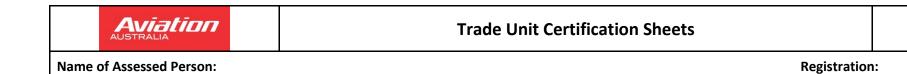
AA TT PRO 01a

Name of Assessed Person: Registration:

Certification of Underpinning Knowledge and Skills to Repair and/or Overhaul Aircraft Piston Engine Crankcase Assembly Components

A person cannot be assessed as competent until it can be demonstrated to the satisfaction of the workplace assessor that the relevant elements of this unit of competency are being achieved under routine supervision on each type of system and on at least one (1) item of each group listed in the assessment conditions a) to h) that are applicable to the enterprise. (*Groups g and h*) *may be omitted where they are not Applicable to the Enterprise*). This shall be established via the records in the Log of Industrial Experience and Achievement or, where appropriate, an equivalent Industry Evidence Guide (for details refer to the Companion Volume Implementation Guide).

UNIT MEAMEC0073: Repair and Overhaul Aircraf	t Piston Engine Crankcase Assem	bly Components	
Evidence has been confirmed of the attainment of the	ne following pre-requisite units of	competency (as they are related	
to attainment of the elements of competency specifi	ed in this unit).		
107, 15	54, 155, 156, 157, 15 8		
Evidence has been confirmed of the knowledge requ	irements for this unit as delivered	by a CASR 147 Approved	
Organisation.			
	OB		
	OR		
Assessment has been conducted to determine that t	he underninning knowledge and s	kills have been achieved in	
accordance with the Competency Unit.	ne underpinning knowledge and s	kiis nave been demeved in	
decordance with the competency office.			
Certification of Unit Completion			
·			
I certify that I have reviewed the certification of the e	ements for this competency unit	and that all of the competency un	it requirements have been met.
Signed:	Assessor No.	MTO:	Date:



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R: 3

AA TT

PRO 01a