

PILATUS
PC-7
MAINTENANCE MANUAL

Component	Maximum Life	Overhaul Interval
Landing gear rotary actuator, AR00501 (Part No. 978.71.11.103, 978.71.11.104 and 114.48.07.232)		3500 flying hours or 7000 landing gear cycles (send all rotary actuators to Pilatus Aircraft Ltd for overhaul)
Universal ball joints (Qty 6) (Pre SB 32-009 only)	1500 landing gear cycles	
Brake master cylinder		3000 flying hours
Brake fluid reservoir bellows	1000 flying hours or 3 years	
Brake units		Overhaul when brake linings are worn beyond limits. (Ref. BF Goodrich CMM, Chap 32)
Chapter 35 - Oxygen		
Oxygen cylinder and pressure reducer	15 years (Only if Part No. EROS GCD 1411 is installed)	5 years (hydrostatic test)
Emergency Oxygen set (If ejection seat installed)		2 years
Emergency Oxygen cylinder (If ejection seat installed)		5 years
Regulator panels		5 years
Flexible hoses	4 years	
Chapter 55 - Stabilizers		
Bolts, horizontal stabilizer spar / fuselage attachment	1000 flying hours	
Nuts, horizontal stabilizer spar / fuselage attachment	1000 flying hours	
Chapter 57 - Wings		
Bolts, wing attachment (U bracket, main and auxiliary spars)	1000 flying hours (Pre SB 57-002)	
Bolts, wing attachment (U bracket, main and auxiliary spars)	5000 flying hours (Post SB 57-002)	
Nuts, wing attachment (U bracket, main and auxiliary spars)	1000 flying hours (Pre SB 57-002)	
Nuts, wing attachment (U bracket, main and auxiliary spars)	5000 flying hours (Post SB 57-002)	
Chapter 61 - Propeller		
Propeller (with attachment bolts)		3000 flying hours or 5 years whichever comes first (Ref. Hartzell SL 61, Latest Revision)
Propeller blades	9795 flying hours	

EFFECTIVITY: All

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Item	Inspection Requirement	Interval
Elevator Forward Control-Rod Assy P/N 116.35.07.270	Examine with a borescope (Ref. 27-30-06, Page Block 601)	2 years
Elevator Center Control-Rod Assy P/N 116.35.07.345	Examine with a borescope (Ref. 27-30-05, Page Block 601)	2 years
Elevator Rear Control-Rod Assy P/N 116.35.07.269	Examine with a borescope (Ref. 27-30-07, Page Block 601)	2 years
Flap pivot arm assembly	Examine (Ref. 27-50-00, Page Block 601)	Threshold inspection at 30 April 2021 if installed before 30 April 2016, then every 5 years. 5 years if installed after 29 April 2016.
Chapter 31 - Indicating and Recording		
Accelerometer: Wultrad P/N 999.71.11.520 / 119.41.07.900 QED P/N 999.71.11.517	Functional test (Ref. Applicable CMM)	2 years
Accelerometer: All other types / P/Ns	Functional test (Ref. Applicable CMM)	12 months
Chapter 32 - Landing Gear		
Nose landing gear folding strut assembly, upper (Part No. 114.48.07.142)	Magnetic particle inspection crack detect the drive axle	7000 landings
Main landing gear rotary actuator	Examine the brushes for wear (Ref. 32-30-01, Page Block 601)	3000 landing gear cycles
Main landing gear screw actuators	Do a check of the axial play (Ref. CMM 32-31-01, Page Block 5001)	1500 landing gear cycles
Nose landing gear screw actuator	Do a check of the axial play (Ref. CMM 32-31-02, Page Block 5001)	1500 landing gear cycles
Nose landing gear screw actuator	Do the Inspection / Check (Ref. 32-30-02, Page Block 601)	500 landing gear cycles
Main and nose wheels	Examine (Ref. BFG CMM)	At each tire replacement
Main and nose gear struts	Replace the hydraulic fluid (Ref. CMM 02069 / 02070)	5 years (Do with High Time Inspection) Initial compliance for aircraft more than 5 years old: At the next Detailed Inspection

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Chapter 61 - Propeller		
Propeller (with attachment bolts)		3000 flying hours or 5 years whichever comes first (Ref. Hartzell SL 61, Latest Revision)
Propeller blades	4240 flying hours	
Propeller overspeed governor		Engine TBO + 500 hours
Chapter 71 - Powerplant		
Engine		3000 flying hours (Ref. P&WC SB 1003)

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