

OMAHA POLICE DEPARTMENT
AIR SUPPORT UNIT
PRE-FLIGHT CHECKLIST

AIRCRAFT:	109PD								
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Daily Requirement.	Mechanic(s) / Pilot(s). Refer to Bell 206B3 Aircraft Operation Manual.
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See attachment for specifics.

DATE	MECH	PILOT	COMMENT(S)
13-Mar-19		BY	Perflight Per POH
15-Mar-19		BY	Preflight Per POH
15-Mar-19	DJC		removed fuel control and fuel pump and had both bench checked, by Keystone Engine Services, and any needed adjustments done because aircraft on 2 min. cool down would shut off uncommanded about 1:30 to 1:45 into the cool down. Installed fuel pump and fuel control ground ran and flight tested to be operational IAW maintenance and flight manuals.
16-Mar-19		BY	Preflight Per POH
16-Mar-19	DJC		PMD/Preflight Completed; 200 hr service completed, drained and flushed and serviced t/r g/b, lubed aircraft, inspected and serviced battery, inspected and cleaned oil cooler, inspected tailboom attaching points area was verified clean and tool free by Ofcr R. Wullschleger before access panel was reinstalled, Aircraft has 26.7 hours until next service due at 12116 Acft Hrs
18-Mar-19		by/mb	Preflight per POH
19-Mar-19	DJC		PMD/Preflight completed
20-Mar-19		RW/DH	
21-Mar-19	DJC		PMD/Completed; reported by D.Hill and R.Wullschleger on third flight of the evening approx 3am with heavy dew (dampness) on cooldown after flight approx 1:30 to 2:30 into cool down engine sounded like it poofed or gasped and shut off on its own uncommanded. When the poof was heard n1 dropped to approx 59 percent then engine went out. Fuel control throttle rigged checked and is IAW maintenance manuals from pilots and coplots station. No obstructions found in intake/particle seperator system.
22-Mar-19			Preflight per POH. Run up and test flight for fuel sender issues. Could not duplicate helicopter shutting down

A/C REGISTRATION NO.		A/C SERIAL NO.	OPERATOR OF AIRCRAFT
N109PD		71-20455	OPD
DATE	TOTAL TIME	HOBBS TIME	DESCRIPTION OF WORK PREFORMED SIGNATURE AND CERTIFICATE NO. OF PERSON PREFORMING WORK
			the following items: tail rotor trunnion, tail rotor pitch change mechanism, main rotor grips, pillow block bearings, and pitch horn bearings. C/W 50 hour inspection of swashplate base and pitch change links for cracks. Submitted S.O.A.P samples on tail rotor transmission, engine, transmission and t/r gear box. [REDACTED]
12/13/18	12012.6	8560.8	C/W 125 hour inspection checks. Visual inspection of lead acid battery and quick disconnect, tail rotor drive shaft hanger bearings, tail rotor transmission mounts, tail boom mounts, and visual insp. engine oil cooler. Lubed the following items: tail rotor trunnion, tail rotor pitch change mechanism, main rotor grips, pillow block bearings, and pitch horn bearings. [REDACTED]
12/26/18	12041.7	8591.1	C/W 150 hour inspection checks. Visual inspection of lead acid battery and quick disconnect, tail rotor drive shaft hanger bearings, tail rotor transmission mounts, tail boom mounts, and visual insp. engine oil cooler. Lubed the following items. tail rotor trunnion, tail rotor pitch change mechanism. Change T/R oil, chip plug check, ok inspected swash plate base and pitch change links for cracks. lubed drive splines. [REDACTED]
1/7/19	12064.8	8614.2	C/W 175 hour inspection checks. Visual inspection of lead acid battery and quick disconnect. Tail rotor drive shaft hanger bearings, tail rotor transmission mounts, tail boom mounts, and visual insp. engine oil cooler. Lubed the following items: tail rotor trunnion, tail rotor pitch change mechanism main rotor grips, pillow block bearings, and pitch horn bearings. [REDACTED]
3/16/19	12089.3	8638.7	C/W 200 hour inspection checks. Visual inspection of lead acid battery and quick disconnect, tail rotor drive shaft hanger bearings, tail rotor transmission mounts, tail boom mounts, and visual insp. engine oil cooler. Lubed the following items: tail rotor trunnion, tail rotor pitch change mechanism, main rotor grips, pillow block bearings, and pitch horn bearings. C/W 50 hour inspection of swashplate base and pitch change links for cracks. C/W 100 hour inspection and submitted S.O.A.P samples on engine, tail rotor transmission, main transmission, and hydraulic system Inspected and cleaned fuel nozzle and igniter. Rmv'd fuel control and fuel pump and had them bench checked at Keystone engine services replaced all fuel system filters grnd ran and flight tested operational IAW all maintenance and flight manuals. [REDACTED]