

# OH-58 A/C MAINTENANCE TEST FLIGHT CHECK SHEET

PURPOSE OF TEST FLIGHT:

ACFT SN

DATE

PILOT

UNIT

SYMBOLS: V = SATISFACTORY X = DEFICIENCY

	PRIOR TO MAINTENANCE TEST		INFLIGHT CHECKS
	<b>FLIGHT</b>		1. CONTROL RIGGING
	1. FORMS AND RECORDS		2. AUTOROTATION
	2. FLIGHT READINESS INSP		ROTOR <span style="float: right;">RPM</span>
	<b>BEFORE STARTING ENGINE</b>		3. ENGINE PERFORMANCE
	<b>CHECKS</b>		CHECK
	1. FAT		PA <span style="float: right;">FAT</span>
	2. ALTIMETER		TORQUE <span style="float: right;">N1</span>
	3. WARNING LIGHTS		TOT
	4. CAUTION PANEL		4. HYDRAULIC OFF
	<b>STARTING ENGINE AND RUNUP</b>		UP <span style="float: right;">PSI</span>
	<b>CHECKS</b>		DOWN <span style="float: right;">PSI</span>
	1. START		5. VIBRATION ANALYSIS
	PEAK TOT <span style="float: right;">°C</span>		6. FLIGHT INSTRUMENTS
	START TIME		AIRSPEED <span style="float: right;">MAG COMP</span>
	2. CYCLIC		IVSI <span style="float: right;">RBI</span>
	3. COLLECTIVE		ATT IND <span style="float: right;">CLOCK</span>
	4. HYDRAULIC SYSTEM		TURN SLIP
	5. GOV RPM SWITCH		7. AVIONICS
	6. COMPRESSOR BLEED VALVE		XPDR <span style="float: right;">VHF</span>
	START CLOSE <span style="float: right;">% N1</span>		ADF <span style="float: right;">UHF</span>
	FULL CLOSE <span style="float: right;">% N1</span>		FM #1 <span style="float: right;">KY 58</span>
	7. TORSIONAL OSCILLATION		FM #2 <span style="float: right;">T SEC 1/A</span>
	8. FUEL PUMP		8. MISSION EQUIPMENT
	9. ENGINE IDLE SPEED CHECK		<b>ENGINE SHUTDOWN CHECKS</b>
	10. ENGINE DEICE		1. BATTERY
	11. INSTRUMENTS		2. INSTRUMENTS
	NI <span style="float: right;">%</span>		N1 <span style="float: right;">%</span>
	TOT <span style="float: right;">°C</span>		TOT <span style="float: right;">°C</span>
	TORQUE <span style="float: right;">PSI</span>		TORQUE <span style="float: right;">PSI</span>
	ENG OIL TEMP <span style="float: right;">°C</span>		ENG OIL TEMP <span style="float: right;">°C</span>
	ENG OIL PRESS <span style="float: right;">PSI</span>		ENG OIL PRESS <span style="float: right;">PSI</span>
	12. HIT		3. ROTOR RPM LIGHT/AUDIO
	<b>AIRCRAFT HOVER CHECKS</b>		4. POST FLIGHT INSP
	1. HOVER POWER		5. COMPLETE UPDATE FORMS & RECORDS
	TORQUE <span style="float: right;">PSI</span>		6. SPECIAL EQUIPMENT LIST
	TOT <span style="float: right;">°C</span>		a.
	N1 <span style="float: right;">%</span>		b.
	2. FLIGHT CONTROLS		c.
	3. (C) PRIMARY DIR CONTROL		d.
	4. PYLON ISOLATION MOUNT		e.
	5. POWER CYLINDER		f.
	6. ENGINE RESPONSE		g.

## ROTOR SMOOTHING RECORD

RED BLADE  
SERIAL NUMBER:

WHITE BLADE  
SERIAL NUMBER:

ADJUSTMENT NUMBER	TAB	ROLL	BALANCE	EFFECT	ADJUSTMENT NUMBER	TAB	ROLL	BALANCE	EFFECT
<b>1</b>					<b>1</b>				
<b>2</b>					<b>2</b>				
<b>3</b>					<b>3</b>				
<b>4</b>					<b>4</b>				
<b>5</b>					<b>5</b>				

REMARKS: