



Private Bag 12003 Windhoek Namibia | (Tel) +264 61 702 212 | Web: <http://www.dca.com.na>

## FLIGHT PERFORMANCE RECORD FOR SINGLE OR MULTIPLE ENGINE HELICOPTERS BY AIRBORNE OR RECIPROCATORY ENGINES

**NOTES:**

1. An application for the issuing of a Certificate of Airworthiness **OR** Approval of a Modification, must comply with the provisions of CAR 21.08.2 or CAR 43.02.14.
2. The original application must be submitted to the Namibian Civil Aviation Authority.
3. Where the required information cannot be furnished in the space provided, the information must be submitted as a separate memorandum and attached hereto.

**PARTICULARS REGARDING THE PURPOSE OF THE FLIGHT:** *Please mark the appropriate block.*

	For Certificate of Airworthiness (C of A)
	For modification approval
	Other - <b>specify</b>

**FOR ATTENTION OF NCAA INSPECTOR OR CERTIFICATION ENGINEER:**

<b>1</b>	<b>GENERAL</b>				
1.1	Aircraft Registration	<b>V</b>	<b>5</b>	<b>—</b>	
1.2	Aircraft Designation				
1.3	Date of test				
1.4	Time at start of the tests				
1.5	Aerodrome				
1.6	Aerodrome's Pressure Altitude				
1.7	Engine Designation				
1.8	Rotor Designation <i>(if available)</i>				
1.9	Altimeter set to 1013.20 MBS during the tests?	<b>YES</b>		<b>NO</b>	
1.10	Engine hours since new or last complete overhaul				
	i	Engine Number I:			
	ii	Engine Number II:			
<b>2</b>	<b>PRE-FLIGHT INSPECTION</b>				
2.1	Doors and Transparencies: Condition & Operation:		Sat.:		Un-Sat.:
2.2	Seats & Harnesses: Condition & Operation:		Sat.:		Un-Sat.:
2.3	Cyclic Control: Freedom, Range of travel, Friction:		Sat.:		Un-Sat.:
2.4	Collective Control: Freedom, Range of travel, Friction:		Sat.:		Un-Sat.:
2.5	Throttle Control: Freedom, Range of travel, Friction:		Sat.:		Un-Sat.:
2.6	Yaw Control: Freedom, Range of travel, Friction:		Sat.:		Un-Sat.:
2.7	Instrument Markings: Legibility and Accuracy:		Sat.:		Un-Sat.:
2.8	Placarding: Legibility and Accuracy:		Sat.:		Un-Sat.:
2.9	Communication and Navigation check:		Sat.:		Un-Sat.:

**NOTES**

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<b>3 START-UP AND TRANSITION FLIGHT INSPECTION</b>									
3.1	Start-up procedure including clutch operation	Sat.:		Un-Sat.:					
3.2	Clutch engagement completed at what <b>RPM</b>	Sat.:		Un-Sat.:					
3.3	Cyclic Control / Rotor response at 100% rotor speed:	Sat.:		Un-Sat.:					
3.4	Pedal / Yaw response - for Left Turn + Right Turn	Sat.:		Un-Sat.:					
3.5	Gyro Instruments Functioning:	Sat.:		Un-Sat.:					
3.6	Mixture Control Functioning:	Sat.:		Un-Sat.:					
3.7	Warning System Functioning:	Sat.:		Un-Sat.:					
3.8	Vibration levels during transition flight	Sat.:		Un-Sat.:					
<b>NOTES</b>									
<b>4 HOVER MANOEUVRES TESTS</b>									
4.1	Stationary hover turns, 360 degrees left and right (spot	Sat.:		Un-Sat.:					
4.2	Forward, sideways and backwards hover manoeuvres	Sat.:		Un-Sat.:					
4.3	<b>STATIONARY HOVER TEST</b>								
4.3a	Mass at the start of <b>this</b> test:	<b>Kg:</b>		<b>Lbs:</b>					
	OGE hover test to be performed in still air conditions and according to the approved flight manual for								
4.3b	<b>RECORD:</b>								
a	AOT:		°C			°F:			
b	Pressure Alt.		Ft						
	Engine: No.:	No. 1	No. 2			Unit			
c	T.O.T / Exhaust Gas								
d	Power setting or torque/ Manifold								
e	Engine speed				RPM		RPM		
<b>5 FORWARD FLIGHT INCLUDING HANDLING AND FUNCTIONING TESTS</b>									
5.1	Steep turn checks ( <i>30° and 45° maximum, check normal response and position and note vibration levels</i> )	Sat.:		Un-Sat.:					
5.2	Maximum forward speed	Altitude		Mph (IAS)		Knots (IAS)			
5.3	Vne ( <i>Increase to Vne in a shallow</i> )	Altitude		Mph (IAS)		Knots (IAS)			
5.4	Climb test ( <i>at least one minute, recoding the average R/C</i> )	Flight Manual' R/C:				Helicopter's R/C:			
	Mean Mass:	Mean Alt.				Mean OAT:			
5.5	"One ball out" side slip test: <i>LH + RH:</i>	Sat.:		Un-Sat.:					
5.6	Are the freewheeling units functioning correctly?	Sat.:		Un-Sat.:					
5.7	Directional control in LH and RH configuration?	Sat.:		Un-Sat.:					
5.8	Is the handling and functioning of this helicopter and all its installed equipment and services normal	Sat.:		Un-Sat.:					
<b>NOTES</b>									



<b>SIGNATURE OF TEST PILOT</b>	<b>NAME IN BLOCK LETTERS</b>	<b>DATE</b>	
<b>PILOT LICENCE</b>			
<b>CONTACT NUMBER</b>		<b>CATEGORY &amp;</b>	