DEPARTAMENTO "SEGURIDAD OPERACIONAL"
SUBDEPARTAMENTO "LICENCIAS"
SECCIÓN EVALUACIONES

"CESSNA C-172 CC- DEW
CLUB AEREO QUILLOTA"

A.- Limitaciones de Operación

1.- Limitaciones (Velocidades)

	MPH
Va	**122**
Vne	**174**
Vno	**40-140**
Vfe	**100**
Vs	**55**
Vso	**40**
Vx	**70**
Vy	**80**
Vr	**60**
Vapp (Flap DN)	**65-75**
Vplaneo	**80**
Max Cross Wind	**15 Kts.**

2.- Combustible (U.S. GAL)

Tipo a Utilizar	**100LL**
Capacidad Total	**42**
Combustible Usable	**38**

3.- Aceite (U.S. QTS)

Capacidad Total	**8**
Mínimo para Operar	**6**

4.- Pesos (LBS)

Máximo TAKE-OFF	**2300**

5.- Motor (Potencia Máxima Continua)

Limitaciones Operativas de Motor	
Razón HP o BHP	**150 BHP**
Máximas RPM	**2700**
RPM estáticas	
Máximas	**2360**
Mínimas	**2260**
Temperatura de aceite (°F)	
Máxima	**245º**
Mínima	**Green arc**
Presión de aceite (PSI)	
Máxima	**100 PSI**
Mínima	**25 PSI**

6.- Limites de maniobras (Cat. Utilitario)

MANIOBRA	MPH
Spin (Flaps UP)	**Slow deceleration**
Escarpados	**122 mph**
Ocho Flojo	**122 mph**
Chandela	**122 mph**

B.- Emergency Procedures.

-ENGINE FAILURE DURING TAKEOFF ROLL

1. THROTTLE Control	**IDLE**
2. BRAKES	**APPLY**
3. DIRECTIONAL CONTROL	**MAINTAIN**

-ENGINE IMMEDIATELY AFTER TAKEOFF ROLL

A. SUFFICIENT RUNWAY REMAINING:

1. AIRSPEED	**ABOVE STALL SPEED**
2. DIRECTIONAL CONTROL	**MAINTAIN**
3. LAND	**RUNWAY HEADING**

B. INSUFFICIENT RUNWAY REMAINING:

1. AIRSPEED	**70 MPH**
2. THROTTLE Control	**IDLE**
3. MIXTURE Control	**IDLE CUTOFF**
4. FUEL SHUTOFF Valve	**OFF**
5. MAGNETOS Switch	**OFF**
6. FLAPS	**AS REQUIRED**
7. MASTER Switch	**OFF**
8. DIRECTIONAL CONTROL	**MAINTAIN TO AVOID OBSTACLES**

-ENGINE FAILURE IN FLIGHT

1. AIRSPEED	**80 MPH**
2. FUEL SHUTOFF Valve	**BOTH**
3. MIXTURE Control	**RICH**
4. CARB HEAT	**ON**
4. PRIMER	**CLOSED AND LOCKED**
5. MAGNETOS Switch	**BOTH**

FIRES

-ENGINE FIRE DURING START ON GROUND

1. MAGNETOS Switch	START

IF ENGINE START IS SUCCESSFUL:

2. POWER	1700 RPM FOR A FEW MINUTES
3. ENGINE	SHUTDOWN AND INSPECT FOR DAMAGE

IF ENGINE START IS UNSUCCESSFULL:

2. MAGNETOS Switch	CONTINUE CRANKING FOR 2-3 MINUTES
3. THROTTLE Control	FULL OPEN
4. MIXTURE Control	IDLE CUTOFF
5. FUEL SHUTOFF Valve	OFF
6. MAGNETOS Switch	OFF
7. MASTER Switch	OFF

FIRES

-ENGINE FIRE IN FLIGHT

1. MIXTURE Control	**IDLE CUTOFF**
2. FUEL SHUTOFF Valve	**OFF**
3. MASTER switch	**OFF**
4. GLIDE AIRSPEED	**120 MPH**
5. CABIN HEAT Control	**OFF**
6. SELECT FIELD	**SUITABLE FOR A FORCED LANDING**

-ELECTRICAL FIRE IN FLIGHT

1. MASTER Switch	**OFF**
2. WINDOWS, CABIN AIR AND CABIN HT	**CLOSED**
3. ALL OTHER SWITCHES (EXCEPT IGNITION switch)	**OFF**
4. CIRCUIT BREAKERS AND FUSES*	**CHECK**
5. FAULTY CIRCUIT	**LEAVE DEACTIVATED**
6. MASTER Switch	**ON**

*Select **ON** successively, permitting a short time delay to elapse after each switch is turned on until the short circuit is localized. Make sure fire is completely extinguished **BEFORE OPENING VENTS.**