



**DEPARTAMENTO “SEGURIDAD  
OPERACIONAL” SUBDEPARTAMENTO  
“LICENCIAS” SECCIÓN EVALUACIONES**

**“CESSNA C-152 CC-SVB”  
“CLUB AÉREO MELIPILLA”**

**A.- Limitaciones de Operación**

1.- Limitaciones (Velocidades)

	KIAS
Va	104
Vne	149
Vno	111
Vfe	85
Vs	40
Vso	35
Vx	55
Vy	67
Vr	50
Vapp (Flap DN)	55-65
Vplaneo	60
Max Cross Wind	12

2.- Combustible (U.S. GAL)

Tipo a Utilizar	100LL
Capacidad Total	39
Combustible Usable	37.5

3.- Pesos (LBS)

Máximo TAKE-OFF	1.670
Máximo Equipaje	120

4.- Motor (Potencia Máxima Continua)

Limitaciones Operativas de Motor	
Razón HP o BHP	110
Máximas RPM	2.550
RPM estáticas	
Máximas	2.380
Mínimas	2.280
Temperatura de aceite (°F)	
Máxima	245
Mínima	100
Presión de aceite (PSI)	
Máxima	100
Mínima	25

5.- Límites de maniobras (Cat. Normal)

MANIOBRA	KIAS
Spin (Flaps UP)	Slow Deceleration
Escarpados	95
Ocho Flojo	95
Chandela	95

## B.- Emergencies Procedures

### 1.- ENGINE FAILURE DURING TAKEOFF RUN

Throttle	IDLE
Brakes	APPLY
Wing Flaps	RETRACT
Mixture	IDLE CUT-OFF
Ignition Switch	OFF
Master Switch	OFF

### 2. - ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF

Airspeed	60 KIAS
Mixture	IDLE CUT-OFF
Fuel Selector Valve	OFF
Ignition Switch	OFF
Wing Flaps	AS REQUIRED
Master Switch	OFF

### 3. - ENGINE FAILURE DURING FLIGHT

Airspeed	60 KIAS
Carburetor Heat	ON
Primer	IN and LOCKED
Fuel Selector Valve	ON
Mixture	RICH
Ignition Switch	BOTH (or START if propeller is stopped)

#### 4. - FIRE DURING START ON

GROUND Cranking

**CONTINUE**, to get a start, which would suck the flames and accumulated fuel through the carburetor and into the engine.

a.- If engine starts:

Power

**1700 RPM for a few minutes.**

Engine

**SHUTDOWN and inspect for damage.**

b.- If engine fails to start:

Cranking

**CONTINUE**

Fire Extinguisher

**OBTAIN**

(Have ground attendants obtain if not installed)

Engine

**SECURE**

Master switch

**OFF**

Ignition switch

**OFF**

Fuel selector valve

**OFF**

Fire

**EXTINGUISH** using fire extinguisher, wool blanket or dirt.

Fire Damage

**INSPECT** repair damage or replace damaged components or wiring before conducting another flight.

## 5. - ENGINE FIRE IN FLIGHT

Mixture	<b>IDLE CUT-OFF</b>
Fuel Selector Valve	<b>OFF</b>
Master Switch	<b>OFF</b>
Cabin Heat and Air	<b>OFF</b> (except overhead vent)
Airspeed	<b>85 KIAS</b> (if fire is not extinguished, increase glide speed to find an airspeed which will provide an incombustible mixture).
Forced Landing	<b>EXECUTE</b> (as described in Emergency Landing without engine power)