



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

**“CESSNA C-TR182”**  
**SR. JUAN URRUTIA E.**

**A.- Limitaciones de Operación**

1.- Limitaciones (Velocidades)

	MPH
Va c/3100 lbs	112
Va c/2600 lbs	102
Va c/2100 lbs	91
Vne	178
Vno	157
Vfe 10°	140
Vlo	140
Vle	140
Vs	54
Vso	50
Vx	75
Vy	90
Vr	55
Vapp (Flap DN)	65-75
Vplaneo	83
Max Cross Wind	18

2.- Combustible (U.S. GAL)

Tipo a Utilizar	100/130
Capacidad Total	92
Capacidad Usable	88
Presión de Combustible (PSI)	
Mínima	3
Máxima	30

3.- Pesos (LBS)

Máximo TAKE-OFF	3.100
Máximo Equipaje	200

4.- Motor (Potencia Máxima Continua)

Limitaciones Operativas de Motor	
Razón HP o BHP	235
Máximas RPM	2.400
M P pulg hg	31
Cylinder Head Temperatura (°F)	
Máximas	500
Mínimas	200
Temperatura de aceite (°F)	
Máxima	245
Mínima	100
Presión de aceite (PSI)	
Máxima	115
Mínima	25

5.- Limites de maniobras (Cat. Normal)

MANIOBRA	MPH
Spin (Flaps UP)	<b>Prohibit</b>
Escarpados	112
Ocho Flojo	112
Chandela	112

## 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	70 KIAS (FLAPS UP) 65 KIAS (FLAPS DN)
Mixture	IDLE CUT-OFF
Fuel Shutoff Valve	OFF
Ignition Switch	OFF
Wing Flaps	AS REQUIRED
Master Switch	OFF

### 3. - ENGINE FAILURE DURING FLIGHT

Airspeed	80 KIAS
Carburetor Heat	ON
Fuel Selector Valve	BOTH
Mixture	RICH
Ignition Switch	BOTH (or START if propeller is stopped)
Primer	IN and LOCKED

#### 4. - FIRE DURING START ON GROUND

Cranking	CONTINUE
If Engine Starts:	
Power	1.700 RPM for a few minutes
Engine	SHUTDOWN and inspect for damage
If engine fails to start:	
Throttle	FULL OPEN
Mixture	IDLE CUT-OFF
Cranking	CONTINUE
Fire Extinguisher	OBTAIN
Engine	SECURE
Master Switch	OFF
Ignition Switch	OFF
Fuel Selector Valve	OFF
Fire	EXTINGUISH
Fire Damage	INSPECT

#### 5. - ENGINE FIRE IN FLIGHT

Mixture	IDLE CUT-OFF
Fuel Selector Valve	OFF
Master Switch	OFF
Cabin Heat and Air	OFF
Airspeed	100 KIAS
Forced Landing	EXECUTE