



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

**“CESSNA C-337H SKYMASTER”**

**“COSTA NORTE S.A.”**

**A.- Limitaciones de Operación**

**1.- Limitaciones (KIAS)**

Va (4.639 lbs)	137
Vne	200
Vno	168
Vfe 1/3	165
Vle	200
Vlo	140
Vmca	
Vs	70
Vso	61
Vx	80
Vy	100
Vsse	
Vxse	80
Vyse	90
Emergency Descent	
Vmax glide	101
Vapp (Flap DN)	80
Max Cross Wind	12

**2.- Combustible (U.S. GAL)**

Tipo a Utilizar	100/130
Capacidad Total /Long R.	150.6
Comb.Usable Long R.	148.0
Presión de Combustible (PSI)	
Máxima	18.5
Mínima	3.0

**3.- Pesos (LBS)**

Max TAKE-OFF	4.630
Max LANDING	4.400
Bagagge Secured Cargo tie-down	365

**4.- Motor (Potencia Máxima Continua)**

Limitaciones Operativas de Motor	
Razón HP o BHP	210
Máximas RPM	2.800
Temperatura Cabeza de Cilindros (°F)	
Máxima	460
Mínima	200
Temperatura de aceite (°F)	
Máxima	240
Mínima	75
Presión de aceite (PSI)	
Máxima	100
Mínima	10

**5.- Limites de Maniobras (Cat. Normal)**

Spin (Flaps UP)	NOT APPROVED
Escarpados	137

## B.- Emergencies Procedures

### 1.- SECURING INOPERATIVE ENGINE

Inoperative Engine	IDENTIFY
Mixture	IDLE CUT OFF
Propellers Controls	FEATHER
Ignition Switch	OFF
Alternator Switch	OFF
Fuel Selector	OFF
Cowl Flaps	CLOSED
Synchrophaser	OFF

### 2.- DISCONTINUED TAKEOFF PROCEDURE

Throttles	CLOSE IMMEDIATELY
Brakes	AS REQUIRED

### 3.- CONTINUED TAKEOFF WITH ENGINE OUT

Throttles	FULL FORWARD
Propellers Controls	FULL FORWARD
Mixture	AS REQUIRED
Inoperative Engine	IDENTIFY FROM RPM, FUEL FLOW AND EGT
Windmilling Propeller	FEATHER PROMPTLY
Wing Flaps	RETRACT
Airspeed	90 KIAS (80 KIAS with obstacle ahead)
Landing Gear	RETRACT
Inoperative Engine	SECURE

#### 4.- ENGINE OUT DURING FLIGHT

Power	INCREASE
Inoperative Engine	IDENTIFY
Cowl Flaps	OPEN
Mixture	ADJUST
Inoperative Engine	ATTEMPT RESTART
Mixture	FULL RICH
Auxiliary Fuel pump	ON
Ignition Switch	CHECK IN BOTH POSITION
Inoperative Engine	SECURE

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

Auxiliary Fuel Pump Switch	OFF
Mixture	IDLE CUT OFF
Parking Brake	RELEASE
Fire Extinguisher	OBTAIN
Airplane	EVACUATE
Fire	EXTINGUISH
Fire Damage	INSPECT

## 6.- ENGINE FIRE IN FLIGHT

### a.- Affected Engine:

Throttles	CLOSED
Propellers Controls	FEATHER
Mixture	IDLE CUT OFF
Fuel Selector	FUEL OFF
Ignition Switch	OFF
Cowl Flaps	CLOSED
Alternator Switch	OFF
Synchrophaser	OFF

### b.- Operating Engine:

Power	AS REQUIRED
Cowl Flaps	AS REQUIRED
Cabin Heat/Air	OFF
Electrical Load	REDUCE
Airspeed	105 KIAS
Land as soon as possible	

## 7.- DITCHING

Radio	TRANSMIT MAYDAY
Heavy Objects	SECURE
Landing Gear	RETRACT
Approach	
High Winds, Heavy Seas	INTO THE WIND
Light Winds, Heavy Swells	PARALLEL TO SWELLS
Seat Belts and Shoulder Harnesses	SECURE
Flaps	DOWN
Power	ESTABLISH 300 FT/MIN DESCENT AT 80 KIAS
Upper Cabin Door Section	OPEN
Face	CUSHION
Touchdown	LEVEL ATTITUDE
Airplane	EVACUATE
Life Vests and Raft	INFLATE