



DEPARTAMENTO “SEGURIDAD OPERACIONAL”
SUBDEPARTAMENTO “LICENCIAS”
SECCIÓN EVALUACIONES

“PIPER NAVAJO PA-31-310”
“MADERAS CONDORS S.A.”

A.- Limitaciones de Operación

1.- Limitaciones	CIAS
Va	159
Vne	236
Vno	188
Vfe	140
Vle	156
Vmca 15°	76
Vs	70
Vso	70
Vx	90
Vy	94
Vsse	120
Vxse	90
Vyse	94
Vr	83
Vplaneo	---
Vapp (Flap DN)	90
Max Cross Wind	20

2.- Combustible (U.S. GAL)

Tipo a Utilizar	100/130
Capacidad Total	192
Combustible Usable	187,3
Presión de Combustible (PSI)	
Mínima	25
Máxima	45

3.- Pesos (LBS)

Máximo TAKE-OFF	6.500
Máximo Baggaje FWD	150
Máximo Baggaje AFT	200

4.- Motor (Potencia Máxima Continua)

Limitaciones Operativas de Motor	
Razón HP o BHP	310
Máximas RPM	2.575
RPM estáticas	
Máximas	2.575
Mínimas	500
Exh. Gas Temp. (°F)	
	1.650
Cyl. Heat Temp. (°F)	
	500
Temperatura de aceite (°F)	
Máxima	245
Mínima	100
Presión de aceite (PSI)	
Máxima	100
Mínima	25

5.- Límites de maniobras (Cat. Normal)

MANIOBRA	CIAS
Spin (Flaps UP)	PROHIBIT
Escarpados	PROHIBIT

B.- Emergencies Procedures

1.- ENGINE FAILURE DURING TAKEOFF

a. - Adequate Runway Remaining:

Throttle	CUT POWER IMMEDIATELY
Brakes	AS REQUIRED
Stop Straight Ahead	

b. - Inadequate Runway Remaining:

Throttle	CLOSE
Master Switch	OFF
Main Fuel Valves	OFF
Firewall Shut-off valves	OFF

Continue straight ahead turning to avoid obstacles, if necessary.

2. - ENGINE FAILURE DURING CLIMB

Follow	FEATHERING PROCEDURE
Single engine best rate	94 KIAS, climb at 103 KIAS for high ambient
Cylinder head temperature	ADJUST COWL FLAPS

3. - POWER PLANT FIRE ON THE GROUND

Firewall Shut-off Valve **OFF**

Boost Pump **OFF**

If engine running:

Advance power **Use fuel in engine rather than for fire.**

If fire is contained within cowling:

Keep engine **STARTER**

In case of a gasoline fire outside the cowling and on the ground:

Taxi **AWAY FROM FIRE IF POSSIBLE**

4. - POWER PLANT FIRE IN FLIGHT

Firewall Shut-off Valve **OFF**

Follow **FEATHERING PROCEDURE**

Land at nearest suitable airfield