



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

**“PIPER NAVAJO PA-31”
“CARLOS SCHWARTZ ALLU”**

A.- Limitaciones de Operación

1.- Limitaciones (Velocidades)

	KIAS
Va	158
Vne	236
Vno	180
Vfe	140
Vle	129
Vmca 15°	78
Vs	72
Vso	71
Vx	80
Vy	97
Vyse	97-105
Vr	78-80
Max Cross Wind	20

2.- Combustible (U.S. GAL)

Tipo a Utilizar	100/130
Capacidad Total	196
Combustible Usable	187.5
Presión de Combustible (PSI)	
Mínima	25
Máxima	45

3.- Pesos (LBS)

Máximo TAKE-OFF	6.840
Máximo Baggaje FWD	150
Máximo Baggaje AFT	250

4.- Motor (Potencia Máxima Continua)

Limitaciones Operativas de Motor	
Razón HP o BHP	310
Máximas RPM	2.575
Exh. Gas Temp. (°F)	
	1.650
Cyl. Heat Temp. (°F)	
	450-500
Temperatura de Aceite (°F)	
Máxima	245
Mínima	50
Presión de Aceite (PSI)	
Máxima	100
Mínima	25

5.- Límites de Maniobras (KIAS)

Spin (Flaps UP)	PROHIBIT
Escarpados	PROHIBIT

B.- Emergencies Procedures

1.- ENGINE FAILURE DURING TAKEOFF (BELOW 98 MPH)

a. - Adequate Runway Remaining:

Throttle	CLOSE IMMEDIATELY
Brakes	APPLY
Stop Straight Ahead	

b. - Inadequate Runway Remaining:

Throttle	CLOSE IMMEDIATELY
Brakes	APPLY
Mixture	IDLE CUT-OFF
Master Switch	OFF
Fuel Selector Valves	CLOSE
Magnetos Switch	OFF
Continue straight ahead turning to avoid obstacles, if necessary.	

2. - ENGINE FAILURE DURING CLIMB

Follow	FEATHERING PROCEDURE
Single engine best rate	97 KIAS
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