



**DEPARTAMENTO SEGURIDAD OPERACIONAL
SUBDEPARTAMENTO "LICENCIAS"
SECCIÓN EVALUACIONES**

**"PIPER NAVAJO PA-31"
"SERVICIOS AÉREOS PUERTO MONTT"**

NOMBRE: _____ FIRMA: _____

FECHA : _____

A.- Limitaciones de Operación

1.- Limitaciones (Velocidades)

	KIAS
Va	158
Vne	236
Vno	188
Vfe 40°	140
Vle	156
Vlo Extend	156
Vlo Retract	129
Vmca	76
Vs	78
Vso	71
Vx	80
Vy	97
Vyse	97
Vxse	90
Vsse	90
Vr	83
Vapp final	100
Max Cross Wind	20

2.- Combustible (U.S. GAL)

Tipo a Utilizar	100LL
Capacidad Total	192
Combustible Usable	187.3

3.- Pesos (LBS)

Máximo TAKE-OFF	6.840
Máximo LANDING	6500
MZFW	6200
Máximo Baggaje FWD	150
Máximo Baggaje AFT	200

4.- Motor (Potencia Máxima)

Limitaciones Operativas de Motor

Razón HP o BHP	310
Máximas RPM	2.575

Exh. Gas Temp. (°F)	1.650
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Cyl. Heat Temp. (°F)	500
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Temperatura de Aceite (°F)	
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Máxima	245
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Mínima	50
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Presión de Aceite (PSI)

Máxima	100
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Mínima	25
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5.- Limites de Maniobras (KIAS)

Spin (Flaps UP)	PROHIBIT
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Escarpados	PROHIBIT
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B.- Emergencies Procedures

1.- ENGINE FAILURE DURING TAKEOFF (BELOW 83 KIAS)

a. - Adequate Runway Remaining:

Throttle	CLOSE
Brakes	AS REQUIRED

Stop straight ahead.

b. - Inadequate Runway Remaining:

Throttle	CLOSE
Brakes	AS REQUIRED
Mixture	IDLE CUT-OFF
Master Switch	OFF
Fuel Selector Valves	OFF
Magnetos Switch	OFF

Continue straight ahead turning to avoid obstacles, if necessary.

2.- ENGINE FAILURE DURING NORMAL TAKEOFF (83 KIAS OR ABOVE)

Directional control	MAINTAIN
Power (operating engine)	MAX. TAKEOFF POWER
Propeller control (inop. engine)	FEATHER
Gear (in level or climbing flight)	RETRACT
Bank	5° INTO OPERATIVE ENGINE
Airspeed	97 KIAS AFTER ALL OBSTACLES HAVE BEEN CLEARED
Engine Securing Procedure	COMPLETE (INOP. ENGINE)
Trim	AS REQUIRED

3. - ENGINE FAILURE DURING CLIMB

Airspeed	MAINTAIN 97 KIAS
Directional control	MAINTAIN
Inop. Engine	IDENTIFY AND VERIFY
Inop. Engine	COMPLETE ENGINE SECURING PROCEDURE

Land as soon as practical at nearest suitable airport.

4. - ENGINE FIRE ON THE GROUND

Firewall shutoff valve	OFF
Emergency fuel pump	OFF
Brakes	AS REQUIRED
Throttle (affected engine)	OPEN
Radio	CALL FOR ASSISTANCE
Mixture (if fire persists)	IDLE CUT-OFF
External fire extinguisher	USE

If fire continues, shut down both engines and evacuate.

If fire is on the ground, it may be possible to taxi away.

5. - ENGINE FIRE IN FLIGHT

Firewall Shut-off Valve	OFF
Follow	FEATHERING PROCEDURE

Land as soon as possible.

**6.- ENGINE SECURING PROCEDURE
(FEATHERING PROCEDURE)**

Throttle	CLOSE
Propeller	FEATHER (1000 RPM MIN.)
Mixture	IDLE CUT-OFF
Cowl flaps	CLOSE
Magneto switch	OFF
Emergency fuel pump	OFF
Fuel selector	OFF
Alternator CB switch	OFF
Prop. Sync	OFF
Electrical load	REDUCE
Crossfeed	IF REQUIRED