



DEPARTAMENTO “SEGURIDAD OPERACIONAL”
SUBDEPARTAMENTO “LICENCIAS”
SECCIÓN EVALUACIONES

“PIPER NAVAJO PA-31-310”

“PREFECTURA AEROPOLICIAL”

A.- Limitaciones de Operación

1.- Limitaciones (Velocidades)	
	KIAS
Va	159
Vne	236
Vno	188
Vfe 15°	174
Vle	156
Vmca	76
Vs	77
Vso	70
Vx	80
Vy	94
Vyse	94
Vxse	90
Vsse	90
Max Cross Wind	20

2.- Combustible (U.S. GAL)	
Tipo a Utilizar	100/130
Capacidad Total	192
Combustible Usable	187,2
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
Exh. Gas Temp. (°F)	1.650
Cyl. Heat Temp. (°F)	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 83 KIAS)

a. - Adequate Runway Remaining:

Throttle	CLOSE IMMEDIATELY
Brakes	AS REQUIRED
Stop Straight Ahead	

b. - Inadequate Runway Remaining:

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

2. - ENGINE FAILURE DURING CLIMB

Airspeed	MAINTAIN 94 KIAS
Directional Control	MAINTAIN
Inoperative Engine	IDENTIFY AND VERIFY
Inoperative Engine	COMPLETE ENGINE SECURING PROCEDURE
Land as soon as practical at nearest suitable airport	

3. - ENGINE FAILURE DURING FLIGHT (BELOW 76 KIAS)

Rudder	APPLY TOWARDS OPERATIVE ENGINE
Throttles	RETARD TO STOP TURN
Pitch Attitude	LOWER NOSE TO ACCELERATE ABOVE 76 KIAS
Operative Engine	INCREASE POWER AS AIRSPEED INCREASES ABOVE 76 KIAS

If altitude permits, a restart may be attempted:

Inoperative Engine Propeller	FEATHER
Trim	Adjusted (5° bank into operative engine)
Inoperative Engine Propeller	COMPLETE ENGINE SECURING PROCEDURE
Cowl Flap (Operative Engine)	AS REQUIRED

4. - POWER PLANT FIRE ON GROUND

Firewall Shut-off Valve	OFF
Emergency Fuel Pump	OFF
Brakes	AS REQUIRED
Throttle (affected engine)	OPEN
Mixture (if fire persists)	IDLE CUT-OFF
External Fire Extinguisher	USE

5. - ENGINE FIRE IN FLIGHT

Firewall Fuel Shut-off Valve	OFF
Throttle	IDLE
Propeller	FEATHER
Mixture	IDLE CUT-OFF
Inoperative Engine	COMPLETE ENGINE SECURING PROCEDURE

Land as soon as practical at nearest suitable airport