



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

“PIPER NAVAJO PA-31-325”

“EMPRESA AÉREA AEROTRUST S.A.”

A.- Limitaciones de Operación

1.- Limitaciones (Velocidades)	
	KIAS
Va	150
Vne	230
Vno	183
Vfe 15°	158
Vle	152
Vmca	71
Vs	76
Vso	70
Vx	85
Vy	100
Vyse	97
Vr	--
Max Cross Wind	20

2.- Combustible (U.S. GAL)	
Tipo a Utilizar	100/130
Capacidad Total	192
Combustible Usable	183,2
Presión de Combustible (PSI)	
Mínima	30
Máxima	55

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	320
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 77 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 97 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. - POWER PLANT FIRE ON GROUND

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

4. - ENGINE FIRE IN FLIGHT

Firewall Fuel Shut-off Valve	OFF
Throttle	FORWARD
Mixture	FULL RICH
Engie	COMPLETE ENGINE SECURING PROCEDURES