



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

**“PIPER NAVAJO PA-31-325”**

**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	<b>CLOSE IMMEDIATELY</b>
Brakes	<b>AS REQUIRED</b>
Stop Straight Ahead	

#### **b. - Inadequate Runway Remaining:**

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

### **2. - ENGINE FAILURE DURING CLIMB**

Airspeed	<b>MAINTAIN 97 KIAS</b>
Directional Control	<b>MAINTAIN</b>
Inoperative Engine	<b>IDENTIFY AND VERIFY</b>
Inoperative Engine	<b>COMPLETE ENGINE SECURING PROCEDURE</b>
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