



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

“PIPER PA-32R SARATOGA”

“LUIS SPOERER G.”

A.- Limitaciones de Operación

1.- Limitaciones KIAS)

| | | |
|-----------------|-----------|---------|
| Va | 3.600 lbs | 134 |
| Vne | | 191 |
| Vno | | 160 |
| Vfe | | 111 |
| Vle | | 132 |
| Vlo | UP & DN | 132/110 |
| Vs | | 67 |
| Vso | | 63 |
| Vx | | 80 |
| Vy | | 93 |
| Vr | | 70 |
| Vapp (Flaps DN) | | 80 |
| Vplaneo | | 83 |
| Max Cross Wind | | 17 |

2.- Combustible (U.S. GAL)

| | |
|------------------------|---------|
| Tipo a Utilizar | 100/130 |
| Capacidad Total | 107 |
| Capacidad Usable | 102 |
| Presión de Combustible | |
| Máxima | 14 |
| Mínima | 0 |

3.- Pesos (LBS)

| | |
|-----------------|-------|
| Máximo TAKE-OFF | 3.600 |
| Máximo Equipaje | 200 |

4.- Motor (Potencia Máxima Continua)

| | |
|--------------------------------------|-------|
| Limitaciones Operativas de Motor | |
| Razón HP o BHP | 300 |
| Máximas RPM | 2.700 |
| Temperatura Cabeza de Cilindros (°F) | |
| Máxima | 500 |
| Mínima | 200 |
| Presión de Aceite (PSI) | |
| Máxima | 115 |
| Mínima | 25 |
| Temperatura de Aceite (°F) | |
| Máxima | 245 |
| Mínima | 100 |

5.- Límites de Maniobras (Cat. Normal)

| | |
|-----------------|-----------|
| Spin (Flaps UP) | Prohibido |
| Escarpados | 134 |

B.- Emergency Procedure

1.- ENGINE POWER LOSS DURING TAKEOFF (Airplane on ground)

a.- If sufficient runway remains:

| | |
|---------------------|--------|
| Throttle | CLOSED |
| Brakes | APPLY |
| Land straight ahead | |

b.- If not sufficient runway remains:

| | |
|---------------|--------------|
| Throttle | CLOSED |
| Mixture | IDLE CUT OFF |
| Master/ALT | OFF |
| Fuel Selector | CLOSED |
| Magnetos | OFF |
| Brakes | AS REQUIRED |

2.- ENGINE POWER LOSS DURING TAKEOFF (Airplane in Flight)

a.- If sufficient runway remains:

| | |
|---------------------|--------|
| Flaps | FULL |
| Throttle | CLOSED |
| Land straight ahead | |

b.- If not sufficient runway remains:

| | |
|--------------------|-------------------|
| Airspeed | 82 KIAS |
| Landing Gear | UP |
| Fuel Selector | SWITCH OTHER TANK |
| Electric Fuel Pump | ON |
| Mixture | RICH |
| Alternate Air | OPEN |

3.- ENGINE POWER LOSS IN FLIGHT

a.- If at low altitude:

| | |
|-------------------------------|----------------------|
| Airspeed | MAINTAIN 83 KIAS MIN |
| Prepare for power off landing | |

b.- If altitude permite:

| | |
|----------------------|---|
| Fuel Selector | SWITCH TO TANK CONTAINING FUEL |
| Electrical fuel pump | ON |
| Mixture | RICH |
| Alternate Air | OPEN |
| Engine Gauge | CHECK FOR INDICATION OF CAUSE OF POWER LOSS |

4.- ENGINE FIRE DURING START

| | |
|---------------------------|--------------|
| Starter | CRANK ENGINE |
| Mixture | IDLE CUT OFF |
| Throttle | OPEN |
| Electric Fuel Pump | OFF |
| Fuel selector | OFF |
| Abandon if fire continues | |

5.- ENGINE FIRE IN FLIGHT

| | |
|---|--------------|
| Source of fire | CHECK |
| Fuel selector | OFF |
| Throttle | CLOSED |
| Mixture | IDLE CUT OFF |
| Electrical Fuel Pump | OFF |
| Heater and Defroster | OFF |
| Proceed with power off landing procedure. | |