



DEPARTAMENTO “SEGURIDAD OPERACIONAL”
SUBDEPARTAMENTO “LICENCIAS”
SECCIÓN EVALUACIONES

“COMMANDER AC-114A”

“SR. BOHER”

A.- Limitaciones de Operación

1.- Limitaciones (KIAS)	
Va	118
Vne	186
Vno	148
Vfe	150
Vs	60
Vso	53
Vx	79
Vy	91
Vr	69
Vapp (Flap DN)	80
Vplaneo (MAX W)	82
Max Cross Wind	19

2.- Combustible (U.S. GAL)	
Tipo a Utilizar	100/130
Capacidad Total STD	70
Combustible Usable STD	68
Presión de Combustible (PSI)	
Máxima	14
Mínima	45

3.- Pesos (LBS)	
Max TAKE-OFF	3.140
Máximo Equipaje	200

4.- Motor (Potencia Máxima Continua)	
Limitaciones Operativas de Motor	
Razón HP o BHP	260
Máximas RPM	2.700

RPM Estáticas	
Máxima	2.700
Mínima	2.200

Temperatura de aceite (°F)	
Máxima	245
Mínima	100

Presión de aceite (PSI)	
Máxima	100
Mínima	25

5.- Límites de Maniobras (Cat. Normal)	
Spin (Flaps UP)	PROHIBITED
Escarpados	118
Ocho Flojo	118
Chandela	118

B.- Emergencies Procedures

1.- ENGINE FAILURE DURING TAKEOFF RUN

Throttle	IDLE
Brakes	APPLY
Wing Flaps	RETRACT
Mixture	IDLE CUT-OFF
Ignition Switch	OFF
Battery Switch	OFF

2. - ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF

Airspeed	85 KIAS
Landing Gear	DOWN
Mixture	IDLE CUT-OFF
Fuel Selector Valve	OFF
Ignition Switch	OFF

3. - ENGINE FAILURE DURING FLIGHT

Airspeed	85 KIAS
Fuel Selector Valve	CHANGE TANK
Booster	ON
Ignition Switch	BOTH (or START if propeller is stopped)
Mixture	IDLE CUTOFF
Mixture	FORWARD SLOWLY
a.- If engine don't start:	
Carburetor Heat	PULL ON
Mixture	CUTOFF then FORWARD SLOWLY
b.- If engine doesn't start	
Aircraft	LAND
c.- If engine Start:	
Throttle	AS REQUIRED
Booster	IDLE CUTOFF
Mixture	AS REQUIRED

4. - FIRE DURING START ON GROUND

Ignition	START
Booster	OFF

a.- If engine starts:

Throttle	1700 RPM for a few minutes.
Engine	SHUTDOWN and inspect for damage.

b.- If engine fails to start:

Cranking	CONTINUE
Fire Extinguisher	OBTAIN
Engine	SECURE
Master switch	OFF
Ignition switch	OFF
Fuel selector valve	OFF
Fire	EXTINGUISH
Fire Damage	INSPECT

5. - ENGINE FIRE IN FLIGHT

Mixture	IDLE CUT-OFF
Fuel Selector Valve	OFF
Ignition Switch	OFF
Battery/Alternator Switch	OFF
Cabin Heat and Air	OFF
Airspeed	INCREASE
Forced Landing	EXECUTE