



DEPARTAMENTO “SEGURIDAD OPERACIONAL”
SUBDEPARTAMENTO “LICENCIAS”
SECCIÓN EVALUACIONES

“AERO COMMANDER AC-680FL”

“AEROPUELCHE S.A.”

A.- Limitaciones de Operación

1.- Limitaciones de Velocidad (KIAS)	
Va	137
Vne	250
Vmo	180
Vfe	127
Vfe 1/2	130
Vle	156
Vmca	78
Vs	78
Vso	72
Vx	97
Vy	109
Vyse	101
V ₁	87
Vapp (flaps 40°)	127
Max Cross Wind	26

2.- Pesos (LBS)

Máximo TAKE-OFF	8.500
Baggage FWD	400
Baggage AFT	200

3.- Combustible (U.S. GAL)

Tipo a Utilizar	100/130
Capacidad Total	190
Capacidad Usable	180
Capacidad Usable Aux	35 c/u

B.- Procedimientos de Emergencia de Acción Inmediatas

1.- ENGINE FAILURE DURING TAKE-OFF

a.- Loss of engine before reaching 100 MPH (87 KIAS)

Throttles	CLOSE
Aircraft	STOP

b.- Loss of engine after 100 MPH (87 KIAS)

Prop Controls	FULL FORWARD
Throttles	FORWARD (do not exceed 29,5 In. Hg.)
Landing Gear	UP
Flaps	UP
Maintain	HEADING AND AIRSPEED
Determine Inoperative Engine by Throttle	SEPARATELY
Dead Engine Propeller	FEATHER
Establish Best Angle of Climb Speed	97 KIAS
Fuel Boost Pump on Operative Engine	ON position
Mixture Control on Operating Engine	AUTO-RICH (Full Forward)
On The Inoperative Engine:	
Mixture	IDLE CUT-OFF
Fuel Selector Valve	OFF
Boost Pump	OFF
Ignition	OFF
Generator	OFF
Cowl Flaps	CLOSED
Trim	AIRCRAFT
Reduce Power to	MAX CONTINUOUS (29,5'' In.Hg. – 2.500 RPM)
Land as soon as possible	

2.- ENGINE FAILURE DURING CRUISE

Correctly determine inoperative engine by checking with throttles.

Feather engine as outline I propeller Section of Normal Operating Procedures.

a.- Feathering Procedures:

Propeller Control	FEATHER RANGE
Throttle	CLOSED (inoperative engine)
Mixture Control	IDLE CUTOFF (inoperative engine)
Fuel Selector Valves	OFF (inoperative engine)
Ignition Switch	OFF (inoperative engine)

3.- COMPLETE HYDRAULIC FAILURE – EMERGENCY GEAR EXTENSION

Slow the Airplane	83-87 knots
Landing Gear Control Handle	DOWN

Check Gear safe Lights, Silent warning horn and main gear visually.

4.- ENGINE FIRE IN FLIGHT

Mixture	IDLE CUTOFF
Fuel Selector Valve	OFF
Emergency Oil and Hydraulic Shutoff Valve	CLOSED
Boost Pump	OFF
Propeller	FEATHER
Ignition	OFF
Generator	OFF

5.- BALKED LANDING

Takeoff Power	APPLY (29,5 In. Hg. – 2.650 RPM at S.L.)
Establish Climb	117 knots
Landing Gear	RETRACT
Flaps	RETRACT
Follow	NORMAL TAKEOFF PROCEDURES