



## RHODOS AEROCLUB

<u>EMERGENCY PROCEDURES</u>		<u>P28A (PIPER WARRIOR) DATA</u>	
<p><b><u>ENGINE FIRE DURING START</u></b></p> <p>Starter ..... crank engine            Mixture ..... idle cut off            Throttle ..... open            Electric fuel pump ..... off            Fuel selector ..... off</p> <p>Abandon if fire continues</p> <p><b><u>ENGINE FAILURE IN FLIGHT</u></b></p> <p>INITIAL ACTIONS:</p> <p><b>CHECK FOR FIRE</b></p> <p>Throttle ..... set 1/3 position            Carburetor Heat ..... on            Mixture ..... rich            Fuel pump ..... on            Fuel selector ..... change tanks</p> <p><b>ASSESS WIND            SELECT FIELD            MAKE PLAN</b></p> <p>TROUBLE CHECKS:</p> <p>Fuel ..... on contents checked            Mixture ..... through range, set rich            Oil ..... temps and pressure            Switches ..... check magnetos            Throttle ..... through range set 1/3 position</p> <p><b>MAYDAY CALL</b></p> <p>SHUTDOWN CHECKS:</p> <p><b>B</b>rakes ..... check pressure and off  <b>U</b>ndercarriage ..... down  <b>S</b>witches ..... all off, fuel off  <b>H</b>atches and harnesses ..... secure</p>	<p><b><u>ENGINE FIRE IN FLIGHT</u></b></p> <p>Mixture ..... idle cut-off            Throttle ..... closed            Fuel Pump ..... off            Fuel Selector ..... off            Heater ..... off            Defroster ..... off</p> <p>Proceed with  <b>POWER OFF LANDING</b></p> <p><b><u>LOSS OF OIL PRESSURE /            HIGH OIL TEMPERATURE</u></b></p> <p>Land as soon as possible and investigate cause.</p> <p>Prepare for power off landing</p> <p>For other emergency procedures refer to section 3 of the Pilots Operating Handbook.</p>	<p><b><u>AIRSPEEDS</u></b></p> <p>Basic Stall Speed (<math>V_{S1}</math>) ..... 50 KIAS            Stall with Flap (<math>V_{S0}</math>) ..... 44 KIAS            Best Climb Angle (<math>V_X</math>) ..... 63 KIAS            Best Climb Rate (<math>V_Y</math>) ..... 79 KIAS            Cruise Climb (Normal) ..... 87 KIAS            Flap Limit Speed (<math>V_{FE}</math>) ..... 103 KIAS            Threshold ..... 65 KIAS            Manoeuvre Speed (<math>V_A</math>) ..... 88 - 111 KIAS            Flight Planning TAS ..... 105 KTAS</p> <p>Maximum Cruising (<math>V_{NO}</math>) ..... 126 KIAS            Never Exceed (<math>V_{NE}</math>) ..... 160 KIAS            Best Glide ..... 73 KIAS            TOSS ..... 64 KIAS            Base ..... 70 KIAS</p> <p>Maximum Crosswind ..... 17 KIAS</p>	<p><b><u>WEIGHT LIMITATIONS</u></b></p> <p>Max Takeoff Weight ..... 1055 Kg ..... Lb            Empty Weight: Refer flight manual            Max Baggage Weight</p> <p><b><u>FUEL</u></b></p> <p>Type: 100 Octane Avgas (green) or 100 LL (blue)            Quantity: Total 189 lt, Useable 181 lt (fuel flow at 75%)            Typical Consumption: 36 lt per hour            Endurance with 45 min reserve intact: 5 hrs</p> <p><b><u>POWER SETTINGS</u></b></p> <p>Max RPM ..... <b>2700</b> RPM            Static RPM</p> <p><b><u>ENGINE</u></b></p> <p>Avco Lycoming IO-320 D2A or D3G            4 cylinder, horizontally opposed, direct drive, air cooled, fuel injected            Output: 160 Hp @ 2700 rpm</p> <p><b><u>OIL</u></b></p> <p>Type: Aviation grade D100            Quantity: Max 8 US quarts, Min 6 US quarts (Company reqts)</p>

Note: This is only meant as a guide. Always ensure that you consult the actual aircraft flight manual prior to use.