

## Centrifugal Pump

Pump Fails to Deliver	
<b>Pump not primed</b>	Correctly prime pump
<b>Foot valve not closed</b>	Check repair if necessary
<b>Air getting into system</b>	Check suction line for splits/holes repair if necessary
<b>Air lock in suction</b>	Correctly prime pump/suction line
<b>Slow pump speed</b>	Check engine speed adjust as required
<b>Discharge head too high</b>	Re position discharge hose
<b>Suction lift too high</b>	Reposition pump
<b>Fall in water (tide)</b>	Reposition pump
<b>Blocked suction cup</b>	Check/clear obstruction
<b>Blocked impellor</b>	<b>*Never work pump with engine running</b> Check/Clear obstruction
Pump Fails to Deliver Sufficient Pressure	
<b>Slow pump speed</b>	Check engine speed adjust as required
<b>Air getting into system</b>	Check suction line for splits/holes repair if necessary
<b>Mechanical Wear</b>	Check pump has been maintained correctly repair as necessary

Pump loses suction	
<b>Air in system</b>	Check suction line/pump for splits/holes repair as required
<b>Air lock</b>	Correctly prime engine Reposition suction if required
<b>Fall in water (tide)</b>	Reposition pump
<b>Strainer blocked</b>	Check/clear obstruction

Things to Watch Out For	
<b>Component failure</b>	Check seals/mechanical parts for root course
<b>pump/drive components shaking</b>	Unbalanced pump/drive repair as necessary
<b>Chocked impellor or suction line</b>	Check/clear obstruction
<b>Pump running dry</b>	Check for blockage in suction line Check suction line is still in water
<b>Hot spots of moving components</b>	Confirm system is still lubricated correctly Check parts are not brushing together