



Rotary Wellpoint Pump Troubleshooting Guide

Pump Series: R, RW

Symptoms	Causes	Corrections
Pump fails to prime – low vacuum	Pump not filled with water Air leaks on suction side Speed too low Air lock Worn wearplates	Fill pump with water Tune wellpoint system Increase within recommended limits Vent air/install air release valve Repair
Pump fails to prime – high vacuum	Excessive suction lift Obstruction in suction line	Lower if possible or select larger piping Clear obstruction
Pump takes a long time to prime	Speed too low High suction lift and/or long header system Air leak on suction side High discharge head	Increase within recommended limits Reduce if possible Tune wellpoint system Reduce head/provide larger piping
Unit shuts down unexpectedly	Engine ran out of fuel Clogged fuel filter Low engine oil pressure or high temperature	Refill with fuel Change filter Check engine
Reduced performance	Air leaks Excessive suction lift Speed too low Discharge head too high	Tune system Lower if possible or select larger piping Increase within recommended limits Lower if possible or select larger piping

Vacuum Fluctuating/ flow surging	Excessive suction leaks Pump running too fast	Tune wellpoint system Lower engine speed
Excessive vibration	Air in fuel line or clogged fuel filter Excessive suction lift Air bleeder valve not adjusted properly Pump running too fast Excessive suction leaks	Purge air and replace filter Reduce suction lift Adjust bleeder valve Lower engine speed Tune the wellpoint system
Water in pump oil reservoir	High discharge head Discharge pressure spike Excessive suction lift Excessive air leaks/surging Excessive vibration Pumping abrasive material Pump ran dry	Reduce head/provide larger piping Drain oil & refill Reduce if possible Tune wellpoint system See "Excessive Vibration" Check pumping fluid Keep pump filled with water at all times
Pump will not engage	Problem with clutch on PTO	Check/repair clutch