

PROBLEM: THE PUMP IS OVERHEATING

CAUSE	REMEDY
<ul style="list-style-type: none"> • Faulty lubrication • Missing Oil • RPMs too high • Operating time too long at too high vacuum rate • Clogged filters on the air injection system • Exhaust port/Check valve partly clogged • Insufficient diameter of hoses 	<ul style="list-style-type: none"> • Check the oil pump • Fill up the oil tank • Reduce the pump speed • Decrease the vacuum rate • Clean the filters • Remove crusts and scales • Use recommended hose size

PROBLEM: THE PUMP IS BLOCKED

CAUSE	REMEDY
<ul style="list-style-type: none"> • Broken vanes <ul style="list-style-type: none"> -due to foreign parts -due to faulty lubrication • Frozen up pump • Damaged drive system 	<ul style="list-style-type: none"> • Change the vanes • Clean filters/elements on the line • Check the lubrication pump • Warm-up the pump • Change the damaged parts

PROBLEM: REDUCED PERFORMANCE

CAUSE	REMEDY
<ul style="list-style-type: none"> • 4-Way Valve is in neutral • Worn vanes • Leaking check valve • Worn o-rings or seals • Leaking gaskets or valves • Clogged connecting pipeline • Obstructed float ball or air filter • Crusted up exhaust manifold • Undersized hoses • Rubber connection damaged or obstructed 	<ul style="list-style-type: none"> • Move handle against the pin • Change the vanes • Clean the check valve • Change the o-rings or seals • Change damaged parts • Change damaged hoses/pipes • Dismantle and clean • Dismantle and clean • Use recommended size hose • Change the connections

PROBLEM: ABNORMAL OIL CONSUMPTION

CAUSE	REMEDY
<ul style="list-style-type: none"> • Insufficient lubrication • Excessive oil consumption 	<ul style="list-style-type: none"> • Adjust the oil pump flow • Replace oil seals