

9. TROUBLESHOOTING GUIDE

CONDITION	POSSIBLE PROBLEM	SOLUTION
UNUSUALLY NOISY	<ul style="list-style-type: none"> Bad bearings Loose motor bolts Coupling drive Dirty, low, improper oil Air leaks in connections 	<ul style="list-style-type: none"> Replace Tighten bolts Adjust /replace coupling Replace oil Check / adjust
HIGH TEMPERATURE	<ul style="list-style-type: none"> Low voltage Worn bearings Low oil level 	<ul style="list-style-type: none"> Check voltage Replace / repair Add / replace
POOR VACUUM	<ul style="list-style-type: none"> Systems leaks Low oil level Dirty oil Worn pump Air leaks at connections Air leak through seal 	<ul style="list-style-type: none"> Repair leaks Add / replace Flush / replace Replace module Check / repair Replace
OIL LEAKS	<ul style="list-style-type: none"> Oil leaks through exhaust Oil leaks through seal Oil leaks through reservoir System vented pressure through pump Pump tipped over 	<ul style="list-style-type: none"> Oil level too high Replace seal Tighten bolts replace gasket Check oil level / add Cheak oil level / add
PUMP DOES NOT START	<ul style="list-style-type: none"> No voltage supplied Damaged motor Thermal cut-out 	<ul style="list-style-type: none"> Check wiring Repair / replace Self restore, wait and verify cause
THERMAL CUT-OUT	<ul style="list-style-type: none"> Low / incorrect voltage Cold weather Dirty oil 	<ul style="list-style-type: none"> Check voltage Open intake fitting and gas ballast for 1 minute to warm up while starting Replace

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