

## 9. TROUBLESHOOTING GUIDE

CONDITION	POSSIBLE PROBLEM	SOLUTION
UNUSUALLY NOISY	Bad bearings Loose motor bolts Coupling drive Dirty, low, improper oil Air leaks in connections	Replace Tighten bolts Adjust /replace coupling Replace oil Check / adjust
HIGH TEMPERATURE	Low voltage Worn bearings Low oil level	Check voltage Replace / repair Add / replace
POOR VACUUM	Systems leaks Low oil level Dirty oil Worn pump Air leaks at connections Air leak through seal	Repair leaks Add / replace Flush / replace Replace module Check / repair Replace
OIL LEAKS	Oil leaks through exhaust Oil leaks through seal Oil leaks through reservoir System vented pressure through pump Pump tipped over	Oil level too high Replace seal Tighten bolts replace gasket Check oil level / add Check oil level /add
PUMP DOES NOT START	No voltage supplied Damaged motor Thermal cut-out	Check wiring Repair / replace Self restore, wait and verify cause
THERMAL CUT-OUT	Low / incorrect voltage Cold weather  Dirty oil	Check voltage Open intake fitting and gas ballast for 1 minute to warm up while starting Replace

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