



E/EH Series Dump Pump

TROUBLESHOOTING GUIDE

Condition	Likely Cause	Correction
No oil flow from pump.	No oil in reservoir.	Fill reservoir with approved fluid.
	Closed shut-off valve.	Open valve.
	Air lock in pump inlet hose.	Use compressed air to pressurize reservoir while running pump or fill inlet hose with oil from the pump end.
	Pump is wrong rotation for application.	Direct Mount Type– Re-configure pump to correct rotation. Remote Mount Type– Connect driveshaft to correct shaft as indicated by directional arrows.
	PTO not engaged.	See “PTO Troubleshooting”
	Pump worn or damaged.	Repair or replace pump.
Pump will not build/hold pressure.	Relief valve stuck open.	Remove, clean, and re-set to specification.
	Contaminate stuck in load check valve.	Remove relief valve cartridge and clean load check area.
	Pump worn or damaged.	Repair or replace pump.
Pump is noisy.	Aeration (<i>air in system</i>).	See “Oil foaming”.
	Cavitation– (<i>Cavitation is caused by excessive vacuum at the pump inlet. Test with a vacuum gauge at the inlet port. Gauge should register under 5 Hg/in. at normal operating speed and temperature.</i>)	<ul style="list-style-type: none"> • Increase inlet hose size. • Re-route inlet hose. • Check for kinked or collapsed inlet hose. • Check for clogged reservoir breather or strainer. • Inlet hose should be S.A.E. type 100R4 hose only.
PUMP LEAKS: At shaft seal. At body section. At pump port.	Dirt under seal.	Replace seal. Examine pump shaft for scoring.
	Damaged seal or pump body.	Replace seal or body section.
	Improperly fitted seal.	Replace seal.
	Damaged o’ring or body.	Replace o’ring or body section.
	Improper torquing of bolts.	Torque to specification.
	Loose fitting.	Tighten fitting.
	Damaged fitting.	Replace fitting.
	Damaged pump body.	Replace body section.



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Condition	Likely Cause	Correction
Pump is hot. <i>(Oil temperature should not exceed 140° F (60° C))</i>	Low oil level.	Fill reservoir.
	Reservoir too small.	Increase reservoir size.
	Dirty oil.	Replace oil and filter.
	Relief valve stuck open.	Remove, clean, and re-set.
	Relief valve improperly set.	Adjust relief valve.
	Wrong pump for application. (Walking floor, ejector trailer, live bottom trailer.)	Replace with correct model. Dump pumps should be used <u>only</u> with dump bodies.
	PTO left engaged.	Review operating procedures.
Oil foaming.	Low oil level.	Fill reservoir.
	Loose inlet fitting.	Tighten fitting.
	Damaged shaft seal.	Replace seal.
	Leak in inlet hose.	Replace hose.
	Improper tank baffle.	Install baffle or diffuser.
	No sleeve in inlet port (3 line systems)	Install conversion sleeve.



Muncie Power Products, Inc. Member of the Interpump Hydraulics Group
General Offices and Distribution Center • P.O. Box 548 • Muncie, IN 47308-0548
(765) 284-7721 • FAX (765) 284-6991 • E-mail info@munciepower.com
Web site <http://www.munciepower.com>

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