

## Operator Troubleshooting

The following table lists the most common problems that may be encountered by operators. If the problem cannot be solved using the corrective actions listed in this table, notify maintenance personnel.

### Engine\*

SYMPTOM	PROBABLE CAUSE	CORRECTIVE ACTION
Engine turns over but fails to start	Fuel filter blocked	Replace filter
	Fuel tank empty	Fill tank
	Fuel shutoff valve at tank closed	Open valve
Engine fails to turn over	Battery disconnect switches open	Close switches
	Transmission not in neutral	Place lever in neutral
	Battery Low	Have charging system checked
	Battery terminals corroded or loose	Clean and tighten terminals
	Blade float "on"	Turn off blade float
Engine runs unsteady and power output low	Insufficient fuel supply	Clean fuel strainers, replace filter, fill tank, tighten fuel lines
	Contaminated fuel	Drain tank, lines, clean strainers, and replace fuel
	Wrong fuel	Drain tank and fill with proper fuel
	Air intake restricted	Remove restriction
Exhaust smokes badly	Too much oil in sump	Drain to proper level
	Air intake restricted	Remove restriction
Engine overheats	Radiator fins restricted	Clean fins
	Low coolant level	Check coolant level
Engine oil pressure low	Low oil level	Check oil level
	Oil leaks	Tighten connections
	Contaminated Oil	Change oil and filters

### Transmission / Converter\*

SYMPTOM	PROBABLE CAUSE	CORRECTIVE ACTION
Transmission or converter overheats	Low oil level	Fill to proper level
	Oil cooler restricted	Remove restriction
Lack of power	Low engine rpm at converter stall	Have engine checked (governor)

### Wet Disk Brake System

SYMPTOM	PROBABLE CAUSE	CORRECTIVE ACTION
Loss of braking efficiency	Air in hydraulic brake system	Check pump
	Loss of accumulator pressure	Have maintenance check system
	Low system pressure	Wait for system pressure to recharge

\* Also see manufacturer's Operation and Maintenance Manual for additional information

## Hydraulic System

SYMPTOM	PROBABLE CAUSE	CORRECTIVE ACTION
No response to controls	Closed tank shutoff valve	Open valve
	Low oil level	Fill tank to proper level
	Implement controls switch "off"	Turn switch to "on"
Sluggish operation or response to controls	Hydraulic oil cold	Allow adequate warm-up time
	Low oil level	Fill tank to proper level
	Suction leak	Correct suction leak
	Plugged tank breather	Replace breather
	Restriction in circuit	Remove restriction, check filters
	Pump speed too slow	Check engine speed
Excessive noise	Cavitation	Eliminate restriction in suction line Replace tank breather
	Aeration	Fill tank to proper level Correct suction leak
	Tubing vibration	Tighten mounting clamps
Hydraulic system over-heating	Low oil level	Fill tank to proper level
	Operating over pressure reliefs	Correct operating procedure

## Electrical System

SYMPTOM	PROBABLE CAUSE	CORRECTIVE ACTION
Engine fails to turn over	Battery disconnect switch open	Close switch
	Neutral start switch open	Place transmission shift lever in neutral
	Battery low	Have start / charge system tested
	Battery terminals corroded or loose	Clean and tighten terminals
	Other connections loose	Tighten connections
Voltmeter indicates discharge	Alternator drive belt slipping	Tighten or replace belt
	Loose or corroded battery connections	Clean and tighten terminals