

**MACHINE TROUBLESHOOTING**

Problem	Cause	Remedy
Excessive dusting	Hopper door partially or completely closed	Open hopper door
	Vacuum fan off	Move vacuum and filter shaker lever to <b>Vacuum fan on</b> position
	Hopper dust filter clogged	Shake and/or clean or replace dust filter
	Brush skirts and dust seals worn, damaged, out of adjustment	Replace or adjust brush skirts or dust seals
	Cyclones dirty / clogged	Clear blockage from cyclones
	Vacuum hose damaged	Replace vacuum hose
	Vacuum fan failure	Ensure thermo Sentry wires are connected
		Contact TENNANT service personnel
	Thermo-Sentry tripped	Allow Thermo-Sentry to cool
	Water tank empty (option)	Fill water tank
	Wet side brush dust control switch not turned on (option)	Turn on the wet side brush dust control switch
	Wet side brush dust control filter clogged (option)	Clean or replace filters
	Wet side brush dust control nozzle clogged (option)	Clean nozzle
Poor sweeping performance	Brush bristles worn	Replace brushes
	Main and side brushes not adjusted properly	Adjust main and side brushes
	Debris caught in main brush drive mechanism	Remove debris from the drive mechanism.
	Hopper door partially or completely closed	Open hopper door
	Hopper full	Empty hopper
	Recirculation flap damaged	Replace flap
	Wrong sweeping brush	Contact TENNANT representative for recommendations
	Hopper lip skirts worn or damaged	Replace lip skirts
	Side brush drive failure	Contact TENNANT service personnel
	Main brush drive failure	Contact TENNANT service personnel

### HEPA FILTER SYSTEM TROUBLESHOOTING TABLE

Refer to the troubleshooting table below and the troubleshooting procedures if excessive dust is noted on machines equipped with the HEPA filter during machine operation.

STEP	ACTION	NOT DUSTING	DUSTING
1	* Use electric shaker to shake primary dust filter * Empty hopper	Resume Sweeping	Proceed to Step 2
2	* Inspect seal at front hopper access door	Resume Sweeping	Proceed to Step 3
3	* Remove primary filter and place in plastic bag. * Manually tap filter to remove dust. * Inspect seal on filter cover * Inspect seal to vacuum fan inlet	Resume Sweeping	Proceed to Step 4
4	* Open upper cyclone clean out door and inspect * Vacuum out dust (HEPA certified vacuum) if buildup is heavy	Resume Sweeping	Proceed to Step 5
5	* Raise hopper to inspect cyclone and primary dust filter debris tray flaps * Flaps must move freely * Remove debris buildup if flap movement is restricted	Resume Sweeping	Proceed to Step 6
6	* Inspect side brush dust control skirts for damage and adjustment	Resume Sweeping	Proceed to Step 7
7	* Raise hopper to inspect wheel pocket skirts * Open side brush doors and inspect skirts * Inspect sweep chamber skirts	Resume Sweeping	Proceed to Step 8
8	* Inspect HEPA filter box inlet hose. * Check for rips, attachment, and restrictions inside the hose	Resume Sweeping	Proceed to Step 9
9	* Check primary filter seal height on shaker plate * Measure height from shaker plate mount bracket to top of lower cyclone box	Resume Sweeping	Adjust dust filter seal height