

MACHINE TROUBLESHOOTING

Problem	Cause	Remedy
Excessive dusting	Brush skirts and dust seals worn, damaged, out of adjustment	Replace or adjust brush skirts or dust seals
	Dust filter clogged	Shake and/or replace dust filter
	Cyclones dirty / clogged	Clear blockage from cyclones
	Vacuum hose damaged	Replace vacuum hose
	Vacuum fan seal damaged	Replace vacuum fan seal
	Vacuum fan failure	Ensure Thermo Sentry wires are connected Call Tennant service representative
	Thermo-Sentry tripped	Allow Thermo-Sentry to cool
	Water tank empty	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 filter
	Wet side brush dust control nozzle clogged (Option)	Clean nozzle
Poor sweeping performance	Worn brush bristles	Replace brushes
	Brush pressure set too light	Increase brush pressure
	Main brush not properly adjusted	Adjust brush
	Debris caught in main brush drive mechanism	Remove debris from main brush drive mechanism
	Main and/or side brush drive failure	Call Tennant service representative
	Hopper is full	Empty hopper
	Hopper lip skirts worn or damaged	Replace lip skirts
	Improper brushes	Refer to <i>Brush Information</i> or call Tennant service representative
	Engine speed set wrong	Set engine speed correctly
Sweeping functions do not turn on	Hopper is up	Completely lower hopper
	Fire in the hopper	Shut off machine. Extinguish fire. If necessary, call emergency personnel
	S30 XP and X4: Hydraulic fluid too hot	Call Tennant service representative

HEPA FILTER SYSTEM TROUBLESHOOTING

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 (use HEPA certified vacuum)	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