

Preventive Maintenance Plan

EU-CARBON

EU-MIX

EU-WHEEL

Hutchinson Antivibration Systems, Inc

460 Fuller Avenue, NE

Grand Rapids, MI

February 14, 2024

This procedure is applicable to the operation of EU-CARBON, EU-MIX and EU-WHEEL listed in MI-ROP-E5094-2018 located at 460 Fuller Ave. NE, Grand Rapids, MI 49503.

The purpose of this preventative maintenance plan is to provide a summary of the program implemented for air cleaning devices associated with EU-CARBON (Carbon Black Dust Collector), EU-MIX (MAUX010 Fuller Dust Collector) and EU-WHEEL (Wheelabrator Dust Collector). This program is designed to minimize equipment malfunctions by establishing a preventive maintenance schedule for all equipment and accessories associated with the air pollution control systems. The full program details and associated operating parameters are stored in the facility's electronic maintenance system referred to as MVP. The attached example sheets provide the checks performed for each air cleaning device and the associated frequency.

Application of, and adherence to, this procedure is the responsibility of all HAVS employees and contractors operating, maintaining, or supervising equipment listed as control measures or emission sources in EU-CARBON, EU-MIX and EU-WHEEL in MI-ROP-E5094-2018.

Weekly Checks
Carbon Black Dust Collector

		Week of:	Week of:	Week of:	Week of:	Week of:
Month of:	January	1/1/24	1/8/24	1/15/24	1/22/24	1/29/24
1	Clean motor, fan and cover			1 X PER MONTH		
2	Check area for any spilled or leaking dust					
3	Check dampers or isolation controls in proper position					
4	Check ductwork is secure and sealed					
5	Check inspection covers/cleanout doors in place and sealed					
6	Check motor and belt guarding in place					
7	Check condition of filter elements (magnehelic)					
8	Inspect fan shaft bearings and grease					
9	Inspect motor bearings and grease					
10	Check for noise, vibration or unusual conditions					
11	Check belt drive sheaves and belts					
Report to department supervisor if repairs are needed.						

WORK DONE WEEKLY BY:
Record Clock Number & Date completed

COMMENTS: _____

RETAIN THIS FORM MIN. 2 YRS

Verified by... _____ date: _____

complete checks as directed, note when condition is out of specification on comments line and identify correction

Weekly Checks
MAUX010 Fuller Dust Collector

		Week of:	Week of:	Week of:	Week of:	Week of:
Month of:	January	1/1/24	1/8/24	1/15/24	1/22/24	1/29/24
1	Clean motor, fan and cover		1 X PER MONTH			
2	Check area for any spilled or leaking dust					
3	Check dampers or isolation controls in proper position					
4	Check filter cleaning vibrators or pulse valves operational					
5	Check inspection covers/cleanout doors in place and sealed					
6	Check ductwork is secure and sealed					
7	Check motor and belt guarding in place					
8	Check condition of filter elements (magnehelic)					
9	Inspect fan shaft bearings and grease					
10	Inspect motor bearings and grease					
11	Check for noise, vibration or unusual conditions					
12	Check belt drive sheaves and belts					
13	Check pushbuttons, switches, lights for correct operation					
14	Record pressure drop reading (magnehelic) (< 6.5 "w/c)					
	_____ " w/c					
15	Record operating Temperature of Motors (use infrared gun)					
	A. Blower Motor _____ ° F					
	B. Auger Motor _____ ° F					
16	Verify magnehelic zero (remove tubing, set "0"		1 X PER MONTH			

	Report to department supervisor if repairs are needed.					

WORK DONE WEEKLY BY:

Record Clock Number & Date completed

COMMENTS:

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Weekly Checks
Wheelabrator Dust Collector

		Week of:	Week of:	Week of:	Week of:	Week of:
Month of:	January	1/1/24	1/8/24	1/15/24	1/22/24	1/29/24
1	Clean motor, fan and cover		1 X PER MONTH			
2	Check area for any spilled or leaking dust					
3	Check dampers or isolation controls in proper position					
4	Check filter cleaning vibrators or pulse valves operational					
5	Check inspection covers/cleanout doors in place and sealed					
6	Check ductwork is secure and sealed					
7	Check motor and belt guarding in place					
8	Check condition of filter elements (magnehelic)					
9	Inspect fan shaft bearings and grease					
10	Inspect motor bearings and grease					
11	Check for noise, vibration or unusual conditions					
12	Check belt drive sheaves and belts					
13	Check pushbuttons, switches, lights for correct operation					
14	Record pressure drop reading (magnehelic) (< 2.5 "w/c)					
	_____ " w/c					
15	Record operating Temperature of Motors (use infrared gun)					
	A. Blower Motor _____ ° F					
16	Check drum fill slide gates for smooth operation					
17	Check air vibrators for proper operation					
18	Verify magnehelic zero (remove tubing; set "0")		1 X PER MONTH			
	Report to department supervisor if repairs are needed.					

WORK DONE WEEKLY BY:

Record Clock Number & Date completed

COMMENTS:

RETAIN THIS FORM MIN. 2 YRS

Verified by... _____ date: _____

complete checks as directed, note when condition is out of specification on comments line and identify correction