

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Scheduled Inspection

N066846293

FACILITY: ANCHOR COUPLING INC		SRN / ID: N0668
LOCATION: 5520 13TH ST, MENOMINEE		DISTRICT: Upper Peninsula
CITY: MENOMINEE		COUNTY: MENOMINEE
CONTACT: Steven Graeber , Environmental Health & Safety Associate		ACTIVITY DATE: 09/05/2018
STAFF: Joe Scanlan	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Announced inspection to determine compliance with PTI #s 18-07A and 685-83		
RESOLVED COMPLAINTS:		

HISTORY:

Anchor Coupling is a wholly owned subsidiary of Caterpillar and is a major manufacturer and OEM first fit supplier of high quality hydraulic hose assemblies. They use machining, extrusion, brazing, plating, and bending to produce SAE, DIN, and JIS hose and couplings in many different configurations from 1/4" to 4" in diameter. Braided, high-pressure spiral, and Teflon/stainless hoses are available.

INSPECTION:

On 9/05/2018, I conducted an inspection of this facility. My contact was Mr. Steven Graeber, Environmental Health & Safety Associate for Anchor Coupling.

This facility has replaced their Rack Plating Line & Multiple Purpose Dip Line covered under PTI 18-07. The upgrade included decommissioning the existing Rack Plating and Multi-purpose Dip Lines and installing a new Rack Zinc Electroplating Process (EURACKDIPLINE) which replaced the existing Rack Plating and Multi-purpose Dip Lines. No changes were made regarding the composition of the plating process chemicals.

EURACKDIPLINE emissions are controlled by a ScrubAir Systems model SVS 50,000 CFM horizontal cross flow wet-packed bed fume scrubber. The 29,000 CFM wet-packed bed fume scrubber continues to control emissions from the current Barrel Plating Line (EUBARRELLINE) as it is the only source of emissions now for the old scrubber. Records of pressure drop across the scrubbers, flow rates, and pH are collected once per shift for each control device.

PTI 18-07A lists three Emission Units which are combined into one Flexible Group (FGSCRUBBERLINES):

Emission Unit ID	Emission Unit Description (Process Equipment & Control Devices)	Installation Date / Modification Date	Flexible Group ID
EURACKDIPLINE	Rack zinc electroplating process with a hot water heater, a horizontal cross flow wet packed bed fume scrubber and exhaust system, 17 tanks: 970-gallon soak clean, 1380-gallon electro clean, 640-gallon cold water rinse, 640-gallon acid, 640-gallon acid pickle, 640-gallon cold water rinse, two 3600-gallon acid zinc, 640-gallon cold water rinse, 640-gallon hot water rinse, 640-gallon cold water rinse, 640-gallon pre-dip, 640-gallon cold water rinse, 730-gallon trivalent chromate, 640-gallon cold water rinse, 730-gallon topcoat, and 730-gallon rust prevention.	2017	FGSCRUBBERLINES

EUBARRELLINE	Automatic barrel zinc electroplating process with 15 tanks: 290-gallon soak clean tank, 310-gallon electro clean, two 250-gallon cold water rinse, 230-gallon acid pickle, two 250-gallon cold water rinse, 1370-gallon zinc plating, 260-gallon cold water rinse, 230-gallon pre-dip, 260-gallon cold water rinse, 255-gallon trivalent chromate, two 250-gallon cold water rinse, and 255-gallon topcoat.	2007	FGSCRUBBERLINES
EUAIRMAKE1	Two 15,000 cfm, 3,078,000 Btu/hr, natural gas-fired air make-up units to balance pressure drops created by the scrubber.	2017	FGSCRUBBERLINES
Changes to the equipment described in this table are subject to the requirements of R 336.1201, except as allowed by R 336.1278 to R 336.1290.			

Records from 9/27/2018 to 9/27/2018 for Scrubber 1 for EUBARRELLINE were provided upon request (see file). There were no issues with this control device.

EURACKDIPLINE and its associated scrubber and EUAIRMAKE1 became operational in late 2017. Records from 12/18/2017 to 9/27/2018 were provided for Scrubber 2 for EURACKDIPLINE upon request (see file). There were some issues with lines freezing and chemical metering; corrective actions were taken per the company's Malfunction Abatement Plan.

PTI # 685-83 is for the brazing ovens. These are only fired by natural gas. SC10 requires that visible emissions from the brazing ovens shall not exceed a 6-minute average of 20% opacity except as specified in Rule 301(1)(a). No visible emissions were observed with this operation.

PTI #974-84 for a baghouse collecting tool grinding waste was voided 7/28/2015. This baghouse is much larger than needed and easily handles the particulate generated from the grinding. The canisters are changed once every 2 or 3 years. No fugitive dust was observed around the baghouse.

The facility continues to operate 12 cold cleaners. These are all small enough to qualify to the exemption listed in Rule 281 (h). Each unit has a sign posted requiring the lid to be kept closed when not in use.

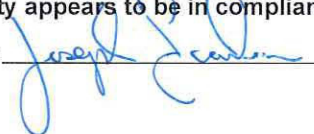
This facility is not required to report to MAERS.

SUMMARY:

No complaints have been received regarding this facility. As of this writing PTI# 18-07 has been voided as of 9/22/2017 and has been replaced by PTI# 18-07A. PTI# 685-83 remains in place.

No violations of Michigan Air Pollution Control Rules were observed during this inspection and the facility appears to be in compliance with the PTIs issued.

NAME



DATE

10/25/18

SUPERVISOR

