

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

N510738129

FACILITY: CREST FORD, INC.		SRN / ID: N5107
LOCATION: 26333 VAN DYKE, CENTER LINE		DISTRICT: Southeast Michigan
CITY: CENTER LINE		COUNTY: MACOMB
CONTACT: Jason Gow , Body Shop Manager		ACTIVITY DATE: 12/08/2016
STAFF: Kerry Kelly	COMPLIANCE STATUS: Compliance	SOURCE CLASS: <i>MINOR</i>
SUBJECT: Based on this inspection, Crest Ford appears to be in compliance with evaluated State and Federal air quality regulations.		
RESOLVED COMPLAINTS:		

On December 8, 2016, Tyler Salamasick and I (Kerry Kelly) conducted a targeted, unannounced inspection at Crest Ford located at 26333 Van Dyke in Warren, Michigan. The purpose of the inspection was to determine compliance with the Federal Clean Air Act; Article II, Part 55, Air Pollution Control of Natural Resources and Environmental Protection Act, 1994 Public Act 451; and Michigan Department of Environmental Quality, Air Quality Division (MDEQ-AQD) Rules.

Crest Ford operates a paint booth and vehicle service center at a Ford dealership in southern Macomb County. The facility is an area source of hazardous air pollutants (HAP's) and minor source of criteria pollutants. The area surrounding Crest Ford is populated with industrial/commercial and residential properties. The nearest residential properties are approximately 0.10 miles north and east of Crest Ford.

INSPECTION

Upon entering the office at Crest Ford, Tyler and I introduced ourselves, showed our photo credentials, and stated the purpose of our visit to Mr. Jason Gow, Body Shop Manager. According to Mr. Gow, Crest Ford Corporation operates from 7:30 AM until 6:00 PM Monday through Friday. Mr. Gow, Mr. David Way, Assistant General Manager, and Mr. Jim Clark, Director of Fixed Operations, assisted AQD staff during the inspection.

Tyler and I inspected a paint booth, two parts washers, two oxy acetylene torches, a mig welder, an aluminum welder, and space heaters located in the body shop and vehicle service center at Crest Ford.

The exhaust system of the paint booth, that served only the coating spray equipment, was supplied with a dry filter control which appeared to be properly installed, maintained, and operated. I asked Mr. Gow for paint usage records required in R336.1287 (c) (iii). Mr. Gow stated he did not have paint use records but did have invoices and inventory data that could be used to determine paint use. I informed Mr. Gow that he would need to begin keeping records of the paint usage on a monthly basis and he agreed to do so. The paint invoices and inventory records were provided by Mr. Gow, via email, for November 2015 through November 2016 (attachment 1). Based on these records, the paint usage for November 2016 was 10.45 gallons. The total usage for November 2015 through November 2016 was 207.55 gallons, based on the records provided. It appears the paint booth is exempt from the requirement in R336.1201 to obtain a permit to install per R 336.1287 (c) because the exhaust system that serves only the paint booth is equipped with properly installed filters and less than 200 gallons of coating is used per month.

There are two parts washers (one cold cleaner and one Cuda Aqueous Parts Washer) at Crest Ford. Tyler and I inspected the cold cleaner, which had an air/vapor interface of approximately two square feet, in the body shop at Crest Ford. Thinner, product ID T494, is the solvent used in the cold cleaner. Mr. Gow provided the SDS for T494 (attachment 2). The SDS indicated the vapor pressure of T494 is 17.4 mm Hg (0.33 psi). During the inspection, the lid to the cold cleaner was closed, written procedures for operation were posted on the washer, and the waste

solvent was stored in closed containers. It appears the cold cleaner is exempt from the requirement in R336.1201 to obtain a permit to install per R336.1281(2)(h) and is in compliance with R336.1707- Emission Limitations and Prohibitions for New Cold Cleaners.

The Cuda machine, located in the service center, uses an aqueous solution to remove oil from parts. Mr. Gow provided the SDS for the cleaning powder used in the Cuda machine (attachment 3). This machine appears to be exempt from the requirement to obtain a permit to install per R336.1281(2)(k) because it is an aqueous based parts washer.

Other equipment in the body shop and service area includes a grinder, two oxy acetylene torches, a mig welder, and an aluminum welder. The grinder and two oxy acetylene torches appear to be exempt from the requirement to obtain a permit to install per R336.1285(2)(l)(vi) because they are used for grinding and cutting metal respectively. The mig welder and aluminum welder appear to be exempt from the requirement to obtain a permit to install per R336.1285(2)(i) because they are used for welding.

Eleven natural gas-fired space heaters are used to heat the body shop and service areas at Crest Ford. I inspected the space heaters. According to Mr. Gow, the space heaters are rated at 125,000 Btu/hour (attachment 4). These space heaters appear to be exempt from the requirement to obtain a permit to install per R336.1282(2)(b) because they are natural gas-fired fuel burning equipment used for space heating.

CONCLUSION

Crest Ford appears, based on this inspection, to be in compliance with applicable State and Federal air quality rules and regulations.

NAME Kerry Kelley DATE 1/4/17 SUPERVISOR SK