

DEPARTMENT OF ENVIRONMENTAL QUALITY

AIR QUALITY DIVISION

FCE Summary Report

Facility : DENSO Manufacturing Michigan, Inc.	SRN : N1192
Location : One Denso Road	District : Kalamazoo
	County : CALHOUN
City : BATTLE CREEK State: MI Zip Code : 49037	Compliance Status : Compliance
Source Class : MAJOR	Staff : Jared Edgerton
FCE Begin Date : 7/1/2022	FCE Completion Date : 8/29/2024
Comments : FCE Report	

List of Partial Compliance Evaluations :

Activity Date	Activity Type	Compliance Status	Comments
08/29/2024	On-site Inspection	Compliance	Unannounced Air Quality Inspection
04/04/2024	ROP Annual Cert	Compliance	The facility submitted an ROP certification form with original signature and date from the responsible official.
04/04/2024	ROP SEMI 2 CERT	Compliance	The facility submitted an ROP certification form with original signature and date from the responsible official.
03/07/2024	Annual Emissions Report (or MAERS)		2023 Emissions Inventory report via MiEnviro on 2/21/24
02/22/2024	Stack Test	Compliance	Machine Oil Mass Balance Testing Report for ROP MI-ROP-N1192-2023 Purpose of the test was to determine the evaporative loss rate of forming oil from the time parts exit the core assembly process until they enter the oven degreaser, as required by the PTI. Test also determined the average amount of forming oil used per part produced. Four runs in different production areas were conducted. Evaporative loss in the evaporator area was 15.7%, radiator area was 15%, heater core was 29.8%, and condenser area was 23.7%.

Activity Date	Activity Type	Compliance Status	Comments
10/05/2023	ROP Semi 1 Cert	Compliance	The facility submitted an ROP certification form with original signature and date of the responsible official stating all monitoring and associated recordkeeping requirements in the ROP were met with no deviations for this reporting period.
08/30/2023	ROP Tech Review Notes		ROP Technical Review Notes
07/14/2023	Malfunction Abatement Plan	Compliance	<p>Malfunction Abatement Plan - July 2023</p> <p>July 2023 updates the MAP plan that was previously approved by the AQD. The MAP was revised to comply with ROP MI-ROP-N1192-20XX (soon to be MI-ROP-N1192-2023) to remove a radiator line, which has been removed from the facility, and to update recordkeeping for the thermal oxidizers and dust collectors on site, in response to comments received from EPA during the ROP process..</p> <p>The revised July 2023 appears to meet the requirements of the future MI-ROP-N1192-2023 and Rule 911.</p>
04/07/2023	Other Non ROP	Compliance	EU-RDR5 was removed March 25th.
03/23/2023	ROP Annual Cert	Compliance	<p>The facility submitted an ROP certification form with original signature and date from the responsible official.</p> <p>The facility reports that during the entire reporting period, this source was in compliance with all terms and conditions contained in the ROP, except for the deviations identified on the deviation report. However, the facility did not report any deviations in the semi-annual 1 or semi-annual 2 report, indicating no deviations occurred.</p>

Activity Date	Activity Type	Compliance Status	Comments
03/23/2023	ROP SEMI 2 CERT	Compliance	<p>The facility submitted an ROP certification form with original signature and date from the responsible official.</p> <p>The facility reported that during the entire reporting period, all monitoring and associated recordkeeping requirements in the ROP were met and no deviations from these requirements or any other terms or conditions occurred.</p>
03/23/2023	Annual Emissions Report (or MAERS)	Compliance	The facility submitted an ROP certification form with original signature and date from the responsible official. The facility reports that the MAERS 2022 was submitted along with the SCT Template on 3/1/23 and 3/6/23 respectively.
03/23/2023	Annual Emissions Report (or MAERS)	Compliance	The facility submitted an ROP certification form with original signature and date from the responsible official. The facility reports that the MAERS 2022 was submitted along with the SCT Template on 3/1/23 and 3/6/23 respectively.
01/12/2023	ROP Other	Compliance	Machine Oil Mass Balance Testing Report for ROP MI-ROP-N1192-2017c and various PTIs. The facility submitted an ROP certification form with original signature and date. The facility reported that the evaporator line lost 15.8%, radiator lost 21.1%, heater core lost 29.8%, and condenser lost 18.9%.
10/04/2022	ROP Semi 1 Cert	Compliance	The facility submitted an ROP certification form with original signature from responsible official and date. The facility reports that during the entire reporting period, all associated monitoring and recordkeeping requirements in the ROP were met and no deviations from these requirements or any other terms and conditions occurred.

Activity Date	Activity Type	Compliance Status	Comments
09/22/2022	Stack Test	Compliance	The facility submitted an ROP certification form with original signature from responsible official and date. The facility submitted a source test report for R540 for VOC Destruction Efficiency testing. The facility reported that the VOC destruction efficiency was tested for R540 at 55.7% with a limit of greater than 95% and the VOC lb/hour were 0.279 with a limit of 0.54 lb/hour. The facility has to pass on one factor or the other. The facility passed on the pounds per hour limit.
09/08/2022	ROP Semi 1 Cert	Compliance	The facility submitted an ROP Certification form with original signature and date of RO. The facility certifies that during the entire reporting period, all monitoring and associated recordkeeping requirements in the ROP were met and no deviations from these requirements or any other term or conditions occurred.
07/29/2022	On-site Inspection	Compliance	

Name: J. Edgerton

Date: 9-30-24

Supervisor: Monica Brothers