Gage, Hannah

From: Gilliam, Allen
Sent: Friday, December 18, 2015 8:15 AM
To: 'Rhonda Quint'; jshempert.waterdept@yahoo.com
Cc: Edward Rowlett; Gage, Hannah
Subject: AR0021971_Hino Motors ARP001025 Dec 2015 Semi Annual Pretreatment Report_ 20151217
Attachments: Dec 2015 SemiAnnual WW report.pdf; Semi-annual Testing 15-334-0319 20151209 report_far_3771892-045.pdf

Rhonda,

Hino Motors' December 2015 semi-annual Pretreatment report was electronically received, reviewed, deemed complete and compliant with the reporting requirements in 40 CFR 403.12(e) and more specifically in compliance with the Metal Finishing standards in 40 CFR 433.17.

Note: the chain of custody is not complete as it does not show who the sampler ("John ?") relinquished it to/who received it. It appears the sample was relinquished by the same person who received it at the contract lab. Please bear in mind the analytical results from samples with "broken" chains of custody may not be admissible in a court of law.

Thank you for the timely report.

Sincerely,

Allen Gilliam
ADEQ State Pretreatment Coordinator
501.682.0625

ec: Jim Shempert, City of Marion, Utility Manager

E/NPDES/NPDES/Pretreatment/Reports

From: Rhonda Quint [mailto:Rhonda.Quint@HMMUSA.COM]
Sent: Thursday, December 17, 2015 3:10 PM
To: Gilliam, Allen; jshempert.waterdept@yahoo.com
Cc: Edward Rowlett
Subject: Semi-Annual Report for Industrial Users; Dec 2015

Allen,

Attached is the December 2015 Semi-Annual Report for Industrial users regulated by 40CFR 433 for Hino Motors Manufacturing in Marion Arkansas.
Also attached are the analytical results for the effluent sample from the regulated process.
Please feel free to contact me if you have any questions.

Regards,

Rhonda Quint, EHS Manager
Hino Motors Manufacturing, U.S.A., Inc.

Arkansas Plant
100 Hino Boulevard
Marion, AR 72364
Rhonda.Quint@HMMUSA.com
Tel: 870.702.2304
Cell: 870.559.8767

SEMI-ANNUAL REPORT FOR INDUSTRIAL USERS REGULATED BY 40 CFR 433

Use of this form is not an ADEQ requirement, but satisfies the reporting requirements in 40 CFR 403.12(e). Attn: Water Div/NPDES Pretreatment

(1) IDENTIFYING INFORMATION

A. LEGAL NAME & MAILING ADDRESS	B. FACILITY & LOCATION ADDRESS
Hino Motors Manufacturing USA LLC 100 Hino Blvd. Marion, AR 72364	Hino Motors Manufacturing USA LLC 100 Hino Blvd. Marion, AR 72364

C. FACILITY CONTACT: Rhonda Quint TELEPHONE NUMBER: (870) 702-2304 e-mail: Rhonda.Quint@hmmusa.com

(2) REPORTING PERIOD--FISCAL YEAR From to (Both Semi-Annual Reports must cover Fiscal Year)

A. MONTHS WHICH REPORTS ARE DUE	B. PERIOD COVERED BY THIS REPORT
June & December	FROM: July 2015 TO: December 2015

(3) DESCRIPTION OF OPERATION

A. REGULATED PROCESSES

CORE PROCESS(ES)

CHECK EACH APPLICABLE BLOCK

- Electroplating
- Electroless Plating
- Anodizing
- [X] Coating (conversion)
- Chemical Etching and Milling
- Printed Circuit Board Manufacture

ANCILLARY PROCESS(ES)*

LIST BELOW EACH PROCESS USED IN THE FACILITY

*SEE 40CFR433.10(a) FOR THE 40 ANCILLARY OPERATIONS

B. CHANGES: SUMMARIZE ANY CHANGES IN THE REGULATED PROCESSES SINCE THE LAST REPORT. ATTACH AN ADDITIONAL SHEET IF THE SPACE BELOW IS INADEQUATE. PROVIDE A NEW SCHEMATIC IF APPROPRIATE.

The processes identified in the HMM Part ED Paint candidate material list (submitted as part of the 2012 baseline monitoring report) ceased operation November 2015 and has since been removed. Only the NAPS (Side Rail) Pretreatment Line (included in the 2012 baseline monitoring report) contributes to the on-site pretreatment facility. For your reference, copies of both documents are included in this report.

C. Number of Regular Employees at this Facility. 592	D. [Reserved]

(4) FLOW MEASUREMENT

INDIVIDUAL & TOTAL PROCESS FLOWS DISCHARGED TO POTW IN GALLONS PER DAY

Process	Average	Maximum	Type of Discharge*
Regulated (Core &	1757		Batch per 8 hours
Regulated (Cyanide)			
'403.6(e)			
'403.6(e) Dilute			
Cooling Water			
Sanitary	20 gal. per person		Continuous
Total Flow to POTW	13,597		Continuous/Batch

*If batch discharged please list the period of time between each batch discharge. Do not normalize over that period for the average flow.
**"Unregulated" has a precise legal meaning; see 40CFR403.6(e).

(5) MEASUREMENT OF POLLUTANTS

A. TYPE OF TREATMENT SYSTEM

CHECK EACH APPLICABLE BLOCK

[X] Neutralization
[X] Chemical Precipitation and Sedimentation
[ ] Chromium Reduction
[ ] Cyanide Destruction
[X] Other Filter Press
[ ] None

B. COMMENTS ON TREATMENT SYSTEM

The regulated process waste is not mixed with sanitary waste at time of metering.

C. THE INDUSTRIAL USER MUST PERFORM SAMPLING AND ANALYSIS OF THE EFFLUENT FROM ALL REGULATED PROCESSES--CORE & ANCILLARY--(AFTER TREATMENT, IF APPLICABLE). ATTACH THE LAB ANALYSIS WHICH SHOWS A MAXIMUM; TABULATE ALL THE ANALYTICAL DATA COLLECTED DURING THE REPORT PERIOD IN THE SPACE PROVIDED BELOW. ZERO CONCENTRATIONS ARE NOT ACCEPTABLE; LIST THE DETECTION LIMIT IF CONCENTRATION WAS BELOW DETECTION LIMIT.

40 CFR 433.17 Pollutant(mg/l) limits	Cd	Cr	Cu	Pb	Ni	Ag	Zn	CN	TTO*
Max for 1 day	0.11	2.77	3.38	0.69	3.98	0.43	2.61	1.20	2.13
Monthly Avg	0.07	1.71	2.07	0.43	2.38	0.24	1.48	0.65	--
Max Measured	<0.002	<0.005	0.031	<0.006	1.02	<0.005	0.517	<0.005	Toxic organic scan attached
Avg Measured**									*

Sample Location Pretreatment Discharge Tank

Sample Type (Grab* or Composite) Grab
*If Grab, list # of grabs over what period of time
Number of Samples and Frequency Collected 1 Sample taken semi-annually
40CFR136 Preservation and Analytical Methods Use: [X] Yes [ ] No (include complete Chain of Custody)

*If a TOMP has been submitted and approved by ADEQ place N/A.
**A value here is the average of all samples taken during one (1) calendar month regardless of number of samples taken. If only one (1) sample is taken it must meet the monthly average limitation.

(6) CERTIFICATION

B. CHECK ONE: (G) 433.11(e) TOXIC ORGANIC ANALYSIS ATTACHED G '433.12(a) TTO CERTIFICATION

Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standard for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing of the last semi-annual compliance report. I further certify that this facility is implementing the toxic organic management plan submitted to Arkansas Department of Environmental Quality.

_____
(Typed/Printed Name)

_____
(Corporate Officer or authorized representative signature)

Date of Signature _____

CORPORATE ACKNOWLEDGEMENT (*Optional*)

STATE OF ARKANSAS)
COUNTY OF _____)

Before me, the undersigned authority, on this day personally appeared _____ of _____, a corporation, known to me to be the person whose name is subscribed to the foregoing instrument(s), and acknowledged to me that he executed the same for purposes and considerations therein expressed, in the capacity therein stated and as the act and deed of said corporation.

Given under my hand and seal of office on this _____ day of _____, 200__.

_____
Notary Public in and for _____
County, Arkansas

My commission expires _____.

(7) POLLUTION PREVENTION ACT OF 1990 [42 U.S.C. 13101 et seq.]

'6602 [42 U.S.C. 13101] Findings and Policy para (b) Policy.--*The Congress hereby declares it to be the national policy of the United States that pollution should be prevented or reduced at the source whenever feasible; pollution that cannot be prevented should be recycled in an environmentally safe manner, whenever feasible; pollution that cannot be prevented or recycled should be treated in an environmentally safe manner whenever feasible; and disposal or other release into the environment should be employed only as a last resort and should be conducted in an environmentally safe manner.*

The User may list any new or ongoing Pollution Prevention practices including Best or Environmental Management Practices, Source Reduction, Waste Minimization, Lean Manufacturing, Water and/or Energy Conservation:

1. _____
2. _____
3. _____
4. _____
5. _____

(8) GENERAL COMMENTS

I certify under penalty of law that I have personally examined and am familiar with the information in this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

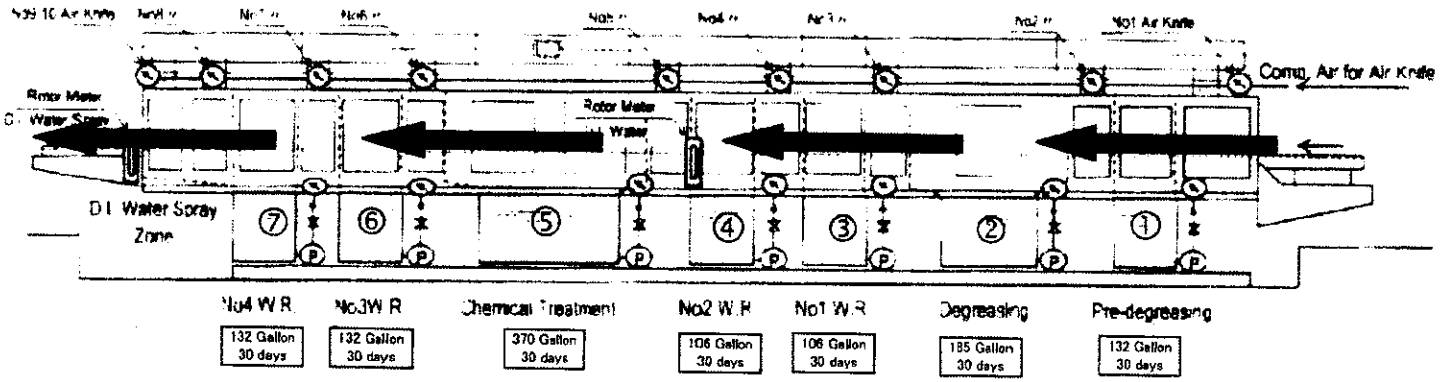
Ed Rowlett
NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE

Ed Rowlett
SIGNATURE

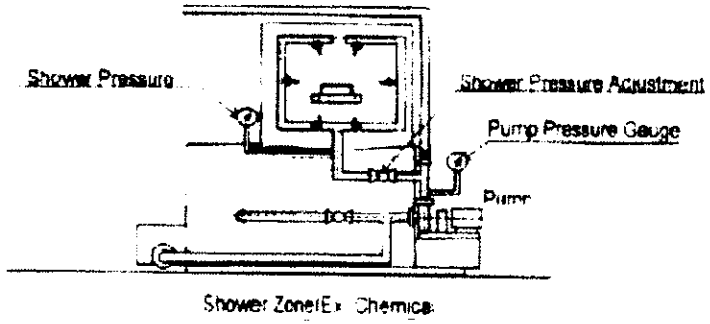
Deputy Plant Manager
OFFICIAL TITLE

12-17-2015
DATE SIGNED

NAPS (Side Rail) Pretreatment Line



Note: all of NAPS pretreatment is connected to Waste Water Line from Pit # 2 to WWT



HMM PART ED PAINT candidate material list (HINO MOTERS,Ltd idea)

* Correction May-6.2005
* Page renewal Jun-17.2005
* Correction Oct-26.2005

HINO MOTERS,Ltd
BODY PRODUCTION ENGINEERING DIV.

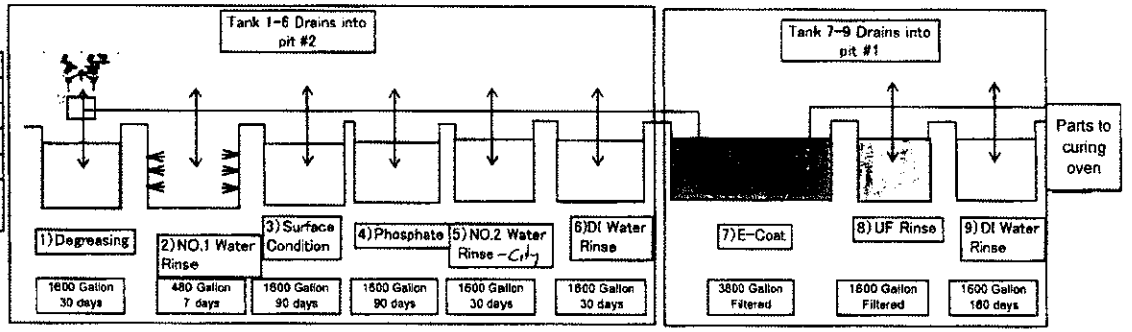
1)PT&ED paint candidate material(HINO's idea)

Process		Material name	Supplier	Actual or New	Unit price "$/Liter or kg"	Amount of use "g/skid"	Style of packing	
							Appearance	Amount
Pretreatment	Degreasing	Parco cleaner L4480 or Parco cleaner E2001L	Henkel Corporation	Hamura	?	45.6	Powder	15kg/paper bag *1
					?	estimating	Colorless liquid	20kg/per can
	Surface condition	Fixodine X			?	6.8	White slurry	20kg/per can
	Additive	~~AD-4977~~ ? / ? ? ? ?			?	2.2	Colorless liquid	20kg/poritanc
	Phosphate	Bonderite SX35		TMMK,Hamura	?	171.1	Green liquid	18kg/per can
	Accelerator	AC-131			?	85.6	Pale yellow liquid	20kg/poritanc
	Additive	AD-4813			?	In irregularity	Colorless liquid	20kg/poritanc
		AD-4856			?	In irregularity	Colorless liquid	20kg/poritanc
E-coat	F1 pigment	ED6601 F1(Black)	PKAF ? ? ?	TMMK,NUMMI	?	168.8	Black liquid	55 gallon/drums
	F2 resin	ED6601 F2(Black)			?	1,406.6	Black liquid	55 gallon/drums

*1 Bag to which inside is Cortanged so that powder should not leak

2)PT&ED Process Outline

Item	Content	Remarks
Paint method	Full Dip	
Conveyer system	Auto carrier	
Tact time	4 min/skid	6 palette/skid
Work hours	456min*2-shift	
Prodution capacity	54743 skid/year	456min * 2-shift *245day *98% efficiency :98%



No	1	2	3	4	5	6	7	8	9
Process	Pretreatment Process						E-Cost Process		
	Degreasing	NO.1 Water Rinse	Surface Condition	Phosphate	NO.2 Water Rinse	DI Water Rinse	E-Coat	UF Rinse	DI Water Rinse
Material	Parco cleaner L4480 or E2001L	Industrial water	Fixodine X ~~(AD-4977)~~	Bonderite SX35 AC-131 (AD-4813,4856)	Industrial water	DI Water	ED6601 F1(Black) ED6601 F2(Black)	UF Rinse	DI Water
Supplier	Henkel Corporaton	-	? - ? Henkel Corporation	Henkel Corporation	-	-	PKAF	-	-
Method	Full Dip	Spray	Full Dip	Full Dip	Full Dip	Full Dip	Full Dip	Full Dip	Full Dip
Temp	45~55℃	-	The temperature condition is unnecessary.	33~37℃	-	-	28~30℃	-	-
Tank size	7tons	2tons	7tons	7tons	7tons	7tons	16tons	7tons	7tons

Waypoint ANALYTICAL

2790 Whitten Road, Memphis, TN 38133
Main 901.213.2400 ° Fax 901.213.2440
www.waypointanalytical.com

12/9/2015

Hino Motors Manufacturing USA, Inc.
Ms. Rhonda Quint
100 Hino Blvd
Marion, AR, 72364

Ref: Analytical Testing
Lab Report Number: 15-334-0319
Client Project Description: Semi-annual Testing

Dear Ms. Rhonda Quint:
Waypoint Analytical, Inc. received sample(s) on 11/30/2015 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2012) and NELAC unless otherwise indicated. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for. Additional certifications may be held/are available for parameters, where NELAP accreditation is not required or applicable. A full list of certifications is available upon request.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,

Randall H. Thomas

Randy Thomas
Project Manager

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.

Alabama	#40750	Louisiana	#04015	VA NELAP	#460181	Texas	#T104704180-11-6	Arkansas	#88-0650
Mississippi		California	#2904	NC	#415	Oklahoma	#9311	Virginia	#00106
Kentucky	#90047	Tennessee	#TN02027	EPA	#TN00012	Kentucky UST	#41	Kansas	#E-10396

2790 Whitten Road, Memphis, TN 38133
Main 901.213.2400 ° Fax 901.213.2440
www.waypointanalytical.com

Client: Hino Motors Manufacturing USA, Inc. **CASE NARRATIVE**
Project: Semi-annual Testing
Lab Report Number: 15-334-0319
Date: 12/9/2015

Semivolatile Organic Compounds - GC/MS Method EPA-625
Sample 96961 (WW Effluent)
QC Batch No: L266527
Sample required an initial dilution due to high levels of non-target analytes.

GC/MS Dioxin Screen Method 625 Method EPA-625 (Z DIOXIN SCREEN)
Sample 96961 (WW Effluent)
Analyte: Dioxin (2,3,7,8-TCDD)
QC Batch No: L266899
Sample required an initial dilution due to high levels of non-target analytes.

Waypoint ANALYTICAL

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www.waypointanalytical.com

10349
Hino Motors Manufacturing USA, Inc.
Ms. Rhonda Quint
100 Hino Blvd
Marion , AR 72364

Project Information : Semi-annual Testing

Report Date : 12/09/2015
Received : 11/30/2015

Report Number : **15-334-0319**

REPORT OF ANALYSIS

Lab No : **96961**
Sample ID : **WW Effluent**

Matrix: **Aqueous**
Sampled: **11/30/2015 12:30**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Cyanide, Total	<0.005	mg/L	0.005	1	12/07/15 11:51	EWB	4500CNE-2011
pH	**7.8**	s.u.		1	11/30/15 12:30	FLD	FIELD ~
Total Cadmium	<0.002	mg/L	0.002	1	12/01/15 13:17	BKN	EPA-200.7
Total Chromium	<0.005	mg/L	0.005	1	12/01/15 13:17	BKN	EPA-200.7
Total Copper	**0.031**	mg/L	0.005	1	12/01/15 13:17	BKN	EPA-200.7
Total Lead	<0.006	mg/L	0.006	1	12/01/15 13:17	BKN	EPA-200.7
Total Nickel	**1.02**	mg/L	0.005	1	12/01/15 13:17	BKN	EPA-200.7
Total Silver	<0.005	mg/L	0.005	1	12/01/15 13:17	BKN	EPA-200.7
Total Zinc	**0.517**	mg/L	0.010	1	12/01/15 13:17	BKN	EPA-200.7

Qualifiers/ Definitions

DF Dilution Factor
Q RPD >40% dual column results
MQL Method Quantitation Limit

Waypoint ANALYTICAL

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10349
Hino Motors Manufacturing USA, Inc.
Ms. Rhonda Quint
100 Hino Blvd
Marion , AR 72364

Project Information : Semi-annual Testing

Report Date : 12/09/2015
Received : 11/30/2015

Report Number : **15-334-0319**

REPORT OF ANALYSIS

Lab No : **96961**
Sample ID : **WW Effluent**

Matrix: **Aqueous**
Sampled: **11/30/2015 12:30**

Analytical Method: 608
Prep Method: EPA-608 (PREP) **Prep Batch(es):** L266155 **Date/Time Prepped:** 12/1/2015 14:50:00

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aldrin	<0.0400	µg/L	0.0400	10	12/02/15 19:45	VIC	L266411
alpha-BHC	<0.0400	µg/L	0.0400	10	12/02/15 19:45	VIC	L266411
beta-BHC	<0.0400	µg/L	0.0400	10	12/02/15 19:45	VIC	L266411
delta-BHC	<0.0400	µg/L	0.0400	10	12/02/15 19:45	VIC	L266411
Chlordane	<0.200	µg/L	0.200	10	12/02/15 19:45	VIC	L266411
4,4'-DDD	<0.0400	µg/L	0.0400	10	12/02/15 19:45	VIC	L266411
4,4'-DDE	<0.0400	µg/L	0.0400	10	12/02/15 19:45	VIC	L266411
4,4'-DDT	<0.0400	µg/L	0.0400	10	12/02/15 19:45	VIC	L266411
Dieldrin	<0.0400	µg/L	0.0400	10	12/02/15 19:45	VIC	L266411
Endosulfan I	<0.0400	µg/L	0.0400	10	12/02/15 19:45	VIC	L266411
Endosulfan II	<0.0400	µg/L	0.0400	10	12/02/15 19:45	VIC	L266411
Endosulfan Sulfate	<0.0400	µg/L	0.0400	10	12/02/15 19:45	VIC	L266411
Endrin	<0.0400	µg/L	0.0400	10	12/02/15 19:45	VIC	L266411
Endrin Aldehyde	<0.0400	µg/L	0.0400	10	12/02/15 19:45	VIC	L266411
gamma-BHC	<0.0400	µg/L	0.0400	10	12/02/15 19:45	VIC	L266411
Heptachlor	<0.0400	µg/L	0.0400	10	12/02/15 19:45	VIC	L266411
Heptachlor Epoxide	<0.0400	µg/L	0.0400	10	12/02/15 19:45	VIC	L266411
Toxaphene	<0.300	µg/L	0.300	10	12/02/15 19:45	VIC	L266411
Surrogate: Decachlorobiphenyl	53.7		Limits: 36-116%	10	12/02/15 19:45	VIC	L266411
Surrogate: Tetrachloro-m-xylene	55.5		Limits: 25-123%	10	12/02/15 19:45	VIC	L266411

Qualifiers/ Definitions

DF Dilution Factor
Q RPD >40% dual column results
MQL Method Quantitation Limit

Waypoint ANALYTICAL

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10349
Hino Motors Manufacturing USA, Inc.
Ms. Rhonda Quint
100 Hino Blvd
Marion , AR 72364

Project Information : Semi-annual Testing

Report Date : 12/09/2015
Received : 11/30/2015

Report Number : **15-334-0319**

REPORT OF ANALYSIS

Lab No : **96961**
Sample ID : **WW Effluent**

Matrix: **Aqueous**
Sampled: **11/30/2015 12:30**

Analytical Method: 624
Prep Method: EPA-624 (PREP) **Prep Batch(es):** L266225 **Date/Time Prepped:** 12/1/2015 09:22:00

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acrolein	<20.0	µg/L	20.0	1	12/01/15 14:09	HAL	L266227
Acrylonitrile	<20.0	µg/L	20.0	1	12/01/15 14:09	HAL	L266227
Benzene	<1.00	µg/L	1.00	1	12/01/15 14:09	HAL	L266227
Bromodichloromethane	<1.00	µg/L	1.00	1	12/01/15 14:09	HAL	L266227
Bromoform	<1.00	µg/L	1.00	1	12/01/15 14:09	HAL	L266227
Bromomethane	<1.00	µg/L	1.00	1	12/01/15 14:09	HAL	L266227
Carbon Tetrachloride	<1.00	µg/L	1.00	1	12/01/15 14:09	HAL	L266227
Chlorobenzene	<1.00	µg/L	1.00	1	12/01/15 14:09	HAL	L266227
Chlorodibromomethane	<1.00	µg/L	1.00	1	12/01/15 14:09	HAL	L266227
Chloroethane	<1.00	µg/L	1.00	1	12/01/15 14:09	HAL	L266227
2-Chloroethylvinyl Ether	<5.00	µg/L	5.00	1	12/01/15 14:09	HAL	L266227
Chloroform	<1.00	µg/L	1.00	1	12/01/15 14:09	HAL	L266227
Chloromethane	<1.00	µg/L	1.00	1	12/01/15 14:09	HAL	L266227
1,2-Dichlorobenzene	<1.00	µg/L	1.00	1	12/01/15 14:09	HAL	L266227
1,3-Dichlorobenzene	<1.00	µg/L	1.00	1	12/01/15 14:09	HAL	L266227
1,4-Dichlorobenzene	<1.00	µg/L	1.00	1	12/01/15 14:09	HAL	L266227
1,1-Dichloroethane	<1.00	µg/L	1.00	1	12/01/15 14:09	HAL	L266227
1,2-Dichloroethane	<1.00	µg/L	1.00	1	12/01/15 14:09	HAL	L266227
1,1-Dichloroethene	<1.00	µg/L	1.00	1	12/01/15 14:09	HAL	L266227
cis-1,2-Dichloroethene	<1.00	µg/L	1.00	1	12/01/15 14:09	HAL	L266227
trans-1,2-Dichloroethene	<1.00	µg/L	1.00	1	12/01/15 14:09	HAL	L266227
1,2-Dichloroethene (Total)	<1.00	µg/L	1.00	1	12/01/15 14:09		L266227

Qualifiers/ Definitions
DF Dilution Factor
Q RPD >40% dual column results
MQL Method Quantitation Limit

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10349
Hino Motors Manufacturing USA, Inc.
Ms. Rhonda Quint
100 Hino Blvd
Marion , AR 72364

Project Information : Semi-annual Testing

Report Date : 12/09/2015
Received : 11/30/2015

Report Number : **15-334-0319**

REPORT OF ANALYSIS

Lab No : **96961**
Sample ID : **WW Effluent**

Matrix: **Aqueous**
Sampled: **11/30/2015 12:30**

Analytical Method: 624
Prep Method: EPA-624 (PREP) **Prep Batch(es):** L266225 **Date/Time Prepped:** 12/1/2015 09:22:00

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dichloropropane	<1.00	µg/L	1.00	1	12/01/15 14:09	HAL	L266227
cis-1,3-Dichloropropene	<1.00	µg/L	1.00	1	12/01/15 14:09	HAL	L266227
trans-1,3-Dichloropropene	<1.00	µg/L	1.00	1	12/01/15 14:09	HAL	L266227
1,3-Dichloropropene (Total)	<1.00	µg/L	1.00	1	12/01/15 14:09		L266227
Ethylbenzene	<1.00	µg/L	1.00	1	12/01/15 14:09	HAL	L266227
Methylene Chloride	<10.0	µg/L	10.0	1	12/01/15 14:09	HAL	L266227
1,1,1,2-Tetrachloroethane	<1.00	µg/L	1.00	1	12/01/15 14:09	HAL	L266227
1,1,2,2-Tetrachloroethane	<1.00	µg/L	1.00	1	12/01/15 14:09	HAL	L266227
Tetrachloroethene	<1.00	µg/L	1.00	1	12/01/15 14:09	HAL	L266227
Toluene	<5.00	µg/L	5.00	1	12/01/15 14:09	HAL	L266227
1,1,1-Trichloroethane	<1.00	µg/L	1.00	1	12/01/15 14:09	HAL	L266227
1,1,2-Trichloroethane	<1.00	µg/L	1.00	1	12/01/15 14:09	HAL	L266227
Trichloroethene	<1.00	µg/L	1.00	1	12/01/15 14:09	HAL	L266227
Vinyl Chloride	<1.00	µg/L	1.00	1	12/01/15 14:09	HAL	L266227
Surrogate: 4-Bromofluorobenzene	103		Limits: 71-131%	1	12/01/15 14:09	HAL	L266227
Surrogate: Dibromofluoromethane	89.6		Limits: 70-128%	1	12/01/15 14:09	HAL	L266227
Surrogate: 1,2-Dichloroethane - d4	77.0		Limits: 67-136%	1	12/01/15 14:09	HAL	L266227
Surrogate: Toluene-d8	83.4		Limits: 70-130%	1	12/01/15 14:09	HAL	L266227

Qualifiers/ Definitions
DF Dilution Factor
Q RPD >40% dual column results
MQL Method Quantitation Limit

Waypoint ANALYTICAL

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10349
Hino Motors Manufacturing USA, Inc.
Ms. Rhonda Quint
100 Hino Blvd
Marion , AR 72364

Project Information : Semi-annual Testing

Report Date : 12/09/2015
Received : 11/30/2015

Report Number : **15-334-0319**

REPORT OF ANALYSIS

Lab No : **96961**
Sample ID : **WW Effluent**

Matrix: **Aqueous**
Sampled: **11/30/2015 12:30**

Analytical Method: 625
Prep Method: 625 **Prep Batch(es):** L266146 **Date/Time Prepped:** 12/1/2015 09:30:00

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	<200	µg/L	200	100	12/05/15 17:40	RQE	L266527
Acenaphthylene	<200	µg/L	200	100	12/05/15 17:40	RQE	L266527
Anthracene	<200	µg/L	200	100	12/05/15 17:40	RQE	L266527
Benzidine	<2000	µg/L	2000	100	12/05/15 17:40	RQE	L266527
Benzo(a)anthracene	<200	µg/L	200	100	12/05/15 17:40	RQE	L266527
Benzo(a)pyrene	<200	µg/L	200	100	12/05/15 17:40	RQE	L266527
Benzo(b)fluoranthene	<200	µg/L	200	100	12/05/15 17:40	RQE	L266527
Benzo(g,h,i)perylene	<200	µg/L	200	100	12/05/15 17:40	RQE	L266527
Benzo(k)fluoranthene	<200	µg/L	200	100	12/05/15 17:40	RQE	L266527
Bis(2-Chloroethoxy)methane	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
Bis(2-Chloroethyl)ether	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
Bis(2-Chloroisopropyl)ether	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
Bis(2-ethylhexyl)phthalate	<1000	µg/L	1000	100	12/05/15 17:40	RQE	L266527
4-Bromophenyl phenyl ether	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
Butyl benzyl phthalate	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
4-Chloro-3-methylphenol	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
2-Chloronaphthalene	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
2-Chlorophenol	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
4-Chlorophenyl phenyl ether	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
Chrysene	<200	µg/L	200	100	12/05/15 17:40	RQE	L266527
Dibenz(a,h)anthracene	<200	µg/L	200	100	12/05/15 17:40	RQE	L266527
1,2-Dichlorobenzene	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527

Qualifiers/ Definitions
DF Dilution Factor
Q RPD >40% dual column results
MQL Method Quantitation Limit

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Ms. Rhonda Quint
100 Hino Blvd
Marion , AR 72364

Project Information : Semi-annual Testing

Report Date : 12/09/2015
Received : 11/30/2015

Report Number : **15-334-0319**

REPORT OF ANALYSIS

Lab No : **96961**
Sample ID : **WW Effluent**

Matrix: **Aqueous**
Sampled: **11/30/2015 12:30**

Analytical Method: 625
Prep Method: 625 **Prep Batch(es):** L266146 **Date/Time Prepped:** 12/1/2015 09:30:00

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,3-Dichlorobenzene	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
1,4-Dichlorobenzene	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
3,3'-Dichlorobenzidine	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
2,4-Dichlorophenol	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
Diethyl phthalate	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
Dimethyl phthalate	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
2,4-Dimethylphenol	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
Di-n-butyl phthalate	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
4,6-Dinitro-2-methylphenol	<1000	µg/L	1000	100	12/05/15 17:40	RQE	L266527
2,4-Dinitrophenol	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
2,4-Dinitrotoluene	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
2,6-Dinitrotoluene	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
Di-n-Octyl Phthalate	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
1,2-Diphenylhydrazine/Azobenzene	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
Fluoranthene	<200	µg/L	200	100	12/05/15 17:40	RQE	L266527
Fluorene	<200	µg/L	200	100	12/05/15 17:40	RQE	L266527
Hexachlorobenzene	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
Hexachlorobutadiene	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
Hexachlorocyclopentadiene	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
Hexachloroethane	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
Indeno(1,2,3-cd)pyrene	<200	µg/L	200	100	12/05/15 17:40	RQE	L266527
Isophorone	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527

Qualifiers/ Definitions
DF Dilution Factor
Q RPD >40% dual column results
MQL Method Quantitation Limit

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10349
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Ms. Rhonda Quint
100 Hino Blvd
Marion , AR 72364

Project Information : Semi-annual Testing

Report Date : 12/09/2015
Received : 11/30/2015

Report Number : **15-334-0319**

REPORT OF ANALYSIS

Lab No : **96961**
Sample ID : **WW Effluent**

Matrix: **Aqueous**
Sampled: **11/30/2015 12:30**

Analytical Method: 625
Prep Method: 625 **Prep Batch(es):** L266146 **Date/Time Prepped:** 12/1/2015 09:30:00

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Naphthalene	<200	µg/L	200	100	12/05/15 17:40	RQE	L266527
Nitrobenzene	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
2-Nitrophenol	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
4-Nitrophenol	<2000	µg/L	2000	100	12/05/15 17:40	RQE	L266527
N-Nitrosodimethylamine	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
N-Nitrosodiphenylamine	<1000	µg/L	1000	100	12/05/15 17:40	RQE	L266527
N-Nitroso-di-n-propylamine	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
Pentachlorophenol	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
Phenanthrene	<200	µg/L	200	100	12/05/15 17:40	RQE	L266527
Phenol	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
Pyrene	<200	µg/L	200	100	12/05/15 17:40	RQE	L266527
1,2,4-Trichlorobenzene	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
2,4,6-Trichlorophenol	<500	µg/L	500	100	12/05/15 17:40	RQE	L266527
Surrogate: 2-Fluorobiphenyl	68.9		Limits: 38-107%	100	12/05/15 17:40	RQE	L266527
Surrogate: 2-Fluorophenol	34.6		Limits: 8-88%	100	12/05/15 17:40	RQE	L266527
Surrogate: Nitrobenzene-d5	52.9		Limits: 29-105%	100	12/05/15 17:40	RQE	L266527
Surrogate: Phenol-d6	21.6		Limits: 7-58%	100	12/05/15 17:40	RQE	L266527
Surrogate: 4-Terphenyl-d14	63.1		Limits: 30-130%	100	12/05/15 17:40	RQE	L266527
Surrogate: 2,4,6-Tribromophenol	67.2		Limits: 16-138%	100	12/05/15 17:40	RQE	L266527

Qualifiers/ Definitions
DF Dilution Factor
Q RPD >40% dual column results
MQL Method Quantitation Limit

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10349
Hino Motors Manufacturing USA, Inc.
Ms. Rhonda Quint
100 Hino Blvd
Marion , AR 72364

Project Information : Semi-annual Testing

Report Date : 12/09/2015
Received : 11/30/2015

Report Number : **15-334-0319**

REPORT OF ANALYSIS

Lab No : **96961**
Sample ID : **WW Effluent**

Matrix: **Aqueous**
Sampled: **11/30/2015 12:30**

Analytical Method: 625 Screen
Prep Method: 625 **Prep Batch(es):** L266085 **Date/Time Prepped:** 12/1/2015 11:15:00

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch	
Dioxin (2,3,7,8-TCDD) screen	<100	µg/L	100	500	12/07/15 21:13	RQE	L266899	~

Analytical Method: EPA-608 (PCB)
Prep Method: EPA-608 (PCB Prep) **Prep Batch(es):** L266154 **Date/Time Prepped:** 12/1/2015 14:50:00

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.200	µg/L	0.200	1	12/02/15 19:53	VIC	L266471
Aroclor 1221	<0.200	µg/L	0.200	1	12/02/15 19:53	VIC	L266471
Aroclor 1232	<0.200	µg/L	0.200	1	12/02/15 19:53	VIC	L266471
Aroclor 1242	<0.200	µg/L	0.200	1	12/02/15 19:53	VIC	L266471
Aroclor 1248	<0.200	µg/L	0.200	1	12/02/15 19:53	VIC	L266471
Aroclor 1254	<0.200	µg/L	0.200	1	12/02/15 19:53	VIC	L266471
Aroclor 1260	<0.200	µg/L	0.200	1	12/02/15 19:53	VIC	L266471
Surrogate: Decachlorobiphenyl	68.9		Limits: 25-125%	1	12/02/15 19:53	VIC	L266471
Surrogate: Tetrachloro-m-xylene	74.4		Limits: 25-125%	1	12/02/15 19:53	VIC	L266471

Qualifiers/ Definitions

DF Dilution Factor
Q RPD >40% dual column results
MQL Method Quantitation Limit

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Cooler Receipt Form

Customer Number: **10349**
Customer Name: **Hino Motors Manufacturing USA, Inc.**
Report Number: **15-334-0319**

Shipping Method

○ Fed Ex	○ US Postal	● Lab	○ Other :	
○ UPS	○ Client	○ Courier	Thermometer ID:	#6

Shipping container/cooler uncompromised?	● Yes	○ No	
Number of coolers received	1		
Custody seals intact on shipping container/cooler?	○ Yes	○ No	● Not Required
Custody seals intact on sample bottles?	○ Yes	○ No	● Not Required
Chain of Custody (COC) present?	● Yes	○ No	
COC agrees with sample label(s)?	● Yes	○ No	
COC properly completed	● Yes	○ No	
Samples in proper containers?	● Yes	○ No	
Sample containers intact?	● Yes	○ No	
Sufficient sample volume for indicated test(s)?	● Yes	○ No	
All samples received within holding time?	● Yes	○ No	
Cooler temperature in compliance?	● Yes	○ No	
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	● Yes	○ No	
Water - Sample containers properly preserved	● Yes	○ No	○ N/A
Water - VOA vials free of headspace	● Yes	○ No	○ N/A
Trip Blanks received with VOAs	○ Yes	● No	○ N/A
Soil VOA method 5035 – compliance criteria met	○ Yes	○ No	● N/A

☐ High concentration container (48 hr)
☐ Low concentration EnCore samplers (48 hr)
☐ High concentration pre-weighed (methanol -14 d)
☐ Low conc pre-weighed vials (Sod Bis -14 d)

Special precautions or instructions included?	○ Yes	● No

Comments:

Any regulatory non-compliance issues will be recorded on non-compliance report.

Signature: Danyale Love Date & Time: 11/30/2015 14:27:02

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CHAIN-OF-CUSTOD

Kit ID: 0000057867
Initiated By: Randy Thomas

Hino Motors Manufacturing USA, Inc.
Semi-annual Testing
15-334-0319
10349
11-30-2015
14:26:43

Company Name	Company Number	Client Project Manager/Contact	Purchase Order Number
Hino Motors Manufacturing USA, Inc.	10349	Ms. Rhonda Quint	
Site Name	**Project Number**	☐ RUSH – Additional charges apply ☐ Special Detection Limits(s) Date Results Needed	**Method of Shipment** ☐ Fed Ex ☐ UPS ☐ USPS ☐ Courier ☐ Client Drop Off Other
Semi-annual			
LIMS Project ID	**Project Manager Phone #**	**Project Manager Email**	**Site/Facility ID #**
Hino Motors - Semi-annual Testing	(870) 635-0400	rhonda.quint@hmmusa.com	

Date	Time	Sample ID	Matrix	Grab/ Comp	# of Cont	Container Type	Preservation	Analyses
11.30.15	1230	Field pH = 7.8	Aqueous	G	0	NA	NONE	624 - Field pH
		WW Effluent	Aqueous	G	3	Glass Vial Amber - 40ml	HCL - Hydrochloric Acid	624 - TTO- VOC
		WW Effluent	Aqueous	G	3	Glass Amber - Liter	Na2S2O3 - Sodium Thiosulfate	625, 608 - TTO- SVOC, PCB, Pesticides
		WW Effluent	Aqueous	G	1	Glass Amber - Liter	NONE	625, 608 - TTO - Dioxin Screen
		WW Effluent	Aqueous	G	1	Plastic - Pint	NaOH - Sodium Hydroxide	CNT
		WW Effluent	Aqueous	G	1	Plastic - Pint	HNO3 - Nitric Acid	Cd, Cr, Cu, Pb, Ni, Ag, Zn

For Laboratory Use Only			Sampled by: (Name - Print)	Client Remarks/Comments		
Ice	Custody Seals	Lab Comments				
Y/N	Y/N					
Blank/Cooler Temp			Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
T6 2.3°C			Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
			Relinquished by: (SIGNATURE)	Date Time 1410 11.30.15	Received by: (SIGNATURE)	Date Time 1410 11.30.15

1/1