

Jamie Belcourt (adpce.ad)

From: Jamie Belcourt (adpce.ad)
Sent: Monday, November 28, 2022 11:49 AM
To: samuel.norman@nidec-motor.com
Cc: Stacie Wassell (adpce.ad); Carrie McWilliams (adpce.ad)
Subject: Nidec Motor Corporation - October 2022 Semiannual Pretreatment Report

Mr. Norman,

Thank you for your October 2022 semiannual pretreatment report submission for Nidec Motor Corporation (ARP000026, AFIN: 57-00001) for the April 1, 2022 – September 31, 2022 reporting period. This report was received, reviewed, and deemed complete with the reporting requirements in 40 CFR 403.12(e).

In regards to the analytical report that was submitted, it was noted that samples were collected on August 4, 2022 and the samples were received in the laboratory for analysis on August 10, 2022. However, the samples were analyzed on August 10 - 11, 2022. This is a period of six (6) and seven (7) days following sample collection. Further, samples were noted to be preserved on ice, but arrived at the laboratory at a temperature of 18.8°C (65.8°F).

In the future, please ensure that samples that are collected for semiannual reporting are both cooled (maintained $\leq 6^{\circ}\text{C}$) and analyzed as soon as possible. Samples may be shipped overnight, or an alternative shipping/carrier method may be chosen to minimize holding times.

Future instances of noncompliance with the procedures set forth in 40 C.F.R. Part 136 may result in enforcement action.

Please reply to this email to let me know that you have received it.

If you have any questions or concerns, or if I can be of any assistance, please do not hesitate to reach out.

Thank you,

Jamie Belcourt | State Pretreatment Coordinator
Division of Environmental Quality | Office of Water Quality
Policy and Administration

5301 Northshore Drive | North Little Rock, AR 72118
t: 501.682.0858 | e: jamie.belcourt@adeq.state.ar.us



ARKANSAS
ENERGY & ENVIRONMENT

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

Use of this form is not an EPA/ADEQ requirement.

Attn: Water Div/NPDES Pretreatment

(1) IDENTIFYING INFORMATION

A. LEGAL NAME & MAILING ADDRESS

Nidec Motor Corporation
500 N. Morrow St.
Mena, AR 71953

B. FACILITY & LOCATION ADDRESS

Nidec Motor Corporation
500 N. Morrow St.
Mena, AR 71953

C. FACILITY CONTACT: Samuel H. Norman **TELEPHONE NUMBER:** 479-394-8741 **e-mail:** samuel.norman@nidec-motor.com

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

A. MONTHS WHICH REPORTS ARE DUE

April & October

B. PERIOD COVERED BY THIS REPORT

FROM: April 2022 **TO:** September 2022

(3) DESCRIPTION OF OPERATION

A. REGULATED PROCESSES

CORE PROCESS(ES)

CHECK EACH APPLICABLE BLOCK

- Electroplating
- Electroless Plating
- Anodizing
- Coating
- Chemical Etching and Milling
- Printed Circuit Board Manufacture

ANCILLARY PROCESS(ES)*

LIST BELOW EACH PROCESS USED IN THE FACILITY

- Parts Washing
- Stator Submersion Test

*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.

No Changes.

C. Number of Regular Employees at this Facility
401

D. [Reserved]

(4) FLOW MEASUREMENT

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

Process	Average	Maximum	Type of Discharge
Regulated (Core & Anc)	32.4	1,100	Batch
Regulated (Cyanide)	-	-	-
' 403.6(e) Unregulated*	-	-	-
' 403.6(e) Dilute	-	-	-
Cooling Water BD	-	-	-
Sanitary	12,932	13,424	Continuous
Total Flow to POTW	12,964	14,524	XXXXXXXX

*"Unregulated" has a precise legal meaning; see 40CFR403.6(e).

(5) MEASUREMENT OF POLLUTANTS

A. TYPE OF TREATMENT SYSTEM

CHECK EACH APPLICABLE BLOCK

Neutralization

Chemical Precipitation and Sedimentation

Chromium Reduction

Cyanide Destruction

Other _____

None

B. COMMENTS ON TREATMENT SYSTEM

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.

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	<.004	<.01	0.044	<0.04	.360	<.007	0.290	<0.01	Na*
Avg Measured**	<.004	<.01	0.044	<0.04	.360	<.007	0.290	<0.01	Na*

Sample Location: Discharge from Wastewater Stream

Sample Type (Grab or Composite): Grab

Number of Samples and Frequency Collected: 1 every 6 mo. Required

40CFR136 Preservation and Analytical Methods Use: Yes No (include complete Chain of Custody)

*If a TOMP has been submitted and approved by ADEQ place N/A.

**A value here can only be the average of all samples taken during one (1) calendar month.

(6) CERTIFICATION

A. [Reserved]

[Reserved]

B. CHECK ONE: '433.11(e) TOXIC ORGANIC ANALYSIS ATTACHED '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.

Steven Holland
(Typed/Printed Name)


(Corporate Officer or authorized representative signature)

Date of Signature 11-21-2022

CORPORATE ACKNOWLEDGEMENT (Optional)

STATE OF ARKANSAS
COUNTY OF POLK

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:

1. Annual SPCC and SWPPP training / Annual RCRA training.
2. Annual Hazardous Communication Training.
3. Batches can be held until test results are received.

(8) GENERAL COMMENTS

(9) SIGNATORY REQUIREMENTS [40CFR403.12(l)]

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.

Steven Holland
NAME OF CORPORATE OFFICER
OR AUTHORIZED REPRESENTATIVE


SIGNATURE

Regional Human Resources Manager
OFFICIAL TITLE

11-21-2022
DATE SIGNED

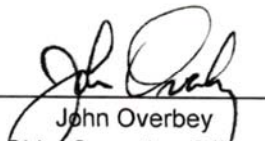


Nidec Motor Corporation
ATTN: Mr. Samuel H. Norman
500 N. Morrow Street
Mena, AR 71953

This report contains the analytical results and supporting information for samples received on August 10, 2022. Attached please find a copy of the Chain of Custody and/or other documents received. Note that any remaining sample will be discarded two weeks from the original report date unless other arrangements are made.

This report is intended for the sole use of the client listed above. Assessment of the data requires access to the entire document.

This report has been reviewed by the Chief Operating Officer or a qualified designee.



John Overbey
Chief Operating Officer

This document has been distributed to the following:

PDF cc: Nidec Motor Corporation
ATTN: Mr. Aaron Exley
aaron.exley@nidec-motor.com

Nidec Motor Corporation
ATTN: Mr. Marcus Looney
marcus.looney@nidec-motor.com

Nidec Motor Corporation
ATTN: Mr. Samuel H. Norman
samuel.norman@nidec-motor.com



Nidec Motor Corporation
500 N. Morrow Street
Mena, AR 71953

SAMPLE INFORMATION

Project Description:

Two (2) water sample(s) received on August 10, 2022
DMR April 1, 2022 - September 30, 2022
P.O. No. 16010658962

Receipt Details:

A Chain of Custody was provided. The samples were delivered in one (1) ice chest.
Ice chest #1 was delivered with shipping documentation.

Each sample container was checked for proper labeling, including date and time sampled. Sample containers were reviewed for proper type, adequate volume, integrity, temperature, preservation, and holding times. Any exceptions are noted below:

Sample Identification:

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Sampled Date/Time</u>	<u>Notes</u>
267930-1	Titan 1A	04-Aug-2022 1413	
267930-2	Titan 1B	04-Aug-2022 1413	1

Notes:

1. Received temperature of samples did not meet regulatory requirements

Qualifiers:

- D Result is from a secondary dilution factor

References:

"Methods for Chemical Analysis of Water and Wastes", EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/5-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993).
"Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846)", Third Edition.
"Standard Methods for the Examination of Water and Wastewaters", (SM).
"American Society for Testing and Materials" (ASTM).
"Association of Analytical Chemists" (AOAC).

Nidec Motor Corporation
500 N. Morrow Street
Mena, AR 71953

ANALYTICAL RESULTS

AIC No. 267930-1

Sample Identification: Titan 1A 04-Aug-2022 1413

Analyte	Result	RL	Units	Qualifier
Cadmium EPA 200.7	< 0.004	0.004	mg/l	
Prep: 10-Aug-2022 1011 by 328	Analyzed: 10-Aug-2022 1608 by 328		Batch: S53019	
Chromium EPA 200.7	< 0.01	0.01	mg/l	
Prep: 10-Aug-2022 1011 by 328	Analyzed: 10-Aug-2022 1608 by 328		Batch: S53019	
Copper EPA 200.7	0.044	0.01	mg/l	
Prep: 10-Aug-2022 1011 by 328	Analyzed: 10-Aug-2022 1608 by 328		Batch: S53019	
Lead EPA 200.7	< 0.04	0.04	mg/l	
Prep: 10-Aug-2022 1011 by 328	Analyzed: 10-Aug-2022 1608 by 328		Batch: S53019	
Nickel EPA 200.7	0.36	0.01	mg/l	
Prep: 10-Aug-2022 1011 by 328	Analyzed: 10-Aug-2022 1608 by 328		Batch: S53019	
Silver EPA 200.7	< 0.007	0.007	mg/l	
Prep: 10-Aug-2022 1011 by 328	Analyzed: 10-Aug-2022 1608 by 328		Batch: S53019	
Zinc EPA 200.7	0.29	0.01	mg/l	
Prep: 10-Aug-2022 1011 by 328	Analyzed: 10-Aug-2022 1608 by 328		Batch: S53019	

AIC No. 267930-2

Sample Identification: Titan 1B 04-Aug-2022 1413

Analyte	Result	RL	Units	Qualifier
Total Cyanide SM 4500-CN C,E 2016	< 0.1	0.1	mg/l	D
Prep: 10-Aug-2022 1511 by 352	Analyzed: 11-Aug-2022 0837 by 352		Batch: W80467 Dil: 10	

Nidec Motor Corporation
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Mena, AR 71953

DUPLICATE RESULTS

Analyte	AIC No.	Result	RPD		Preparation Date	Analysis Date	Dil	Qual
			RPD	Limit				
Total Cyanide	267908-1	20 mg/l			10Aug22 0914 by 376	11Aug22 0832 by 352	250	D
	Batch: W80467 Duplicate	20 mg/l	1.46	16.8	10Aug22 1511 by 352	11Aug22 0834 by 352	250	D

LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Cyanide	0.1 mg/l	91.0	81.9-118			W80467	10Aug22 1511 by 352	11Aug22 0829 by 352		
	0.1 mg/l	97.0	81.9-118	6.38	13.2	W80467	10Aug22 1511 by 352	11Aug22 0830 by 352		
Cadmium	0.2 mg/l	96.4	85.0-115			S53019	10Aug22 0947 by 374	10Aug22 1511 by 328		
Chromium	0.2 mg/l	100	85.0-115			S53019	10Aug22 0947 by 374	10Aug22 1511 by 328		
Copper	0.2 mg/l	95.2	85.0-115			S53019	10Aug22 0947 by 374	10Aug22 1511 by 328		
Lead	2 mg/l	94.8	85.0-115			S53019	10Aug22 0947 by 374	10Aug22 1511 by 328		
Nickel	0.2 mg/l	95.4	85.0-115			S53019	10Aug22 0947 by 374	10Aug22 1511 by 328		
Silver	0.04 mg/l	108	85.0-115			S53019	10Aug22 0947 by 374	10Aug22 1511 by 328		
Zinc	0.2 mg/l	95.8	85.0-115			S53019	10Aug22 0947 by 374	10Aug22 1511 by 328		

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Cadmium	267917-1	0.2 mg/l	85.2	75.0-125	S53019	10Aug22 0947 by 374	10Aug22 1514 by 328		
	267917-1	0.2 mg/l	84.6	75.0-125	S53019	10Aug22 0947 by 374	10Aug22 1516 by 328		
	Relative Percent Difference:		0.705	20.0	S53019				
Chromium	267917-1	0.2 mg/l	88.7	75.0-125	S53019	10Aug22 0947 by 374	10Aug22 1514 by 328		
	267917-1	0.2 mg/l	87.6	75.0-125	S53019	10Aug22 0947 by 374	10Aug22 1516 by 328		
	Relative Percent Difference:		1.19	20.0	S53019				
Copper	267917-1	0.2 mg/l	79.6	75.0-125	S53019	10Aug22 0947 by 374	10Aug22 1514 by 328		
	267917-1	0.2 mg/l	78.1	75.0-125	S53019	10Aug22 0947 by 374	10Aug22 1516 by 328		
	Relative Percent Difference:		1.80	20.0	S53019				
Lead	267917-1	2 mg/l	81.4	75.0-125	S53019	10Aug22 0947 by 374	10Aug22 1514 by 328		
	267917-1	2 mg/l	80.6	75.0-125	S53019	10Aug22 0947 by 374	10Aug22 1516 by 328		
	Relative Percent Difference:		0.982	20.0	S53019				
Nickel	267917-1	0.2 mg/l	81.2	75.0-125	S53019	10Aug22 0947 by 374	10Aug22 1514 by 328		
	267917-1	0.2 mg/l	81.3	75.0-125	S53019	10Aug22 0947 by 374	10Aug22 1516 by 328		
	Relative Percent Difference:		0.183	20.0	S53019				
Silver	267917-1	0.04 mg/l	96.4	75.0-125	S53019	10Aug22 0947 by 374	10Aug22 1514 by 328		
	267917-1	0.04 mg/l	93.9	75.0-125	S53019	10Aug22 0947 by 374	10Aug22 1516 by 328		
	Relative Percent Difference:		2.60	20.0	S53019				
Zinc	267917-1	0.2 mg/l	93.0	75.0-125	S53019	10Aug22 0947 by 374	10Aug22 1514 by 328		
	267917-1	0.2 mg/l	92.1	75.0-125	S53019	10Aug22 0947 by 374	10Aug22 1516 by 328		
	Relative Percent Difference:		0.900	20.0	S53019				



Nidec Motor Corporation
500 N. Morrow Street
Mena, AR 71953

LABORATORY BLANK RESULTS

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>LOQ</u>	<u>QC Sample</u>	<u>Preparation Date</u>	<u>Analysis Date</u>	<u>Qual</u>
Total Cyanide	< 0.0076 mg/l	0.0076	0.01	W80467-1	10Aug22 1511 by 352	11Aug22 0827 by 352	
Cadmium	< 0.002 mg/l	0.002	0.004	S53019-1	10Aug22 0947 by 374	10Aug22 1509 by 328	
Chromium	< 0.005 mg/l	0.005	0.01	S53019-1	10Aug22 0947 by 374	10Aug22 1509 by 328	
Copper	< 0.006 mg/l	0.006	0.01	S53019-1	10Aug22 0947 by 374	10Aug22 1509 by 328	
Lead	< 0.02 mg/l	0.02	0.04	S53019-1	10Aug22 0947 by 374	10Aug22 1509 by 328	
Nickel	< 0.005 mg/l	0.005	0.01	S53019-1	10Aug22 0947 by 374	10Aug22 1509 by 328	
Silver	< 0.004 mg/l	0.004	0.007	S53019-1	10Aug22 0947 by 374	10Aug22 1509 by 328	
Zinc	< 0.005 mg/l	0.005	0.01	S53019-1	10Aug22 0947 by 374	10Aug22 1509 by 328	

AMERICAN INTERPLEX
 Corporation Laboratories
 8600 Kanis Road
 Little Rock, AR 72204

CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

Client: Project Reference Project Manager: Sampled By: AIC no.	Nidec Motor Corporation DMR April 1, 2022 - September 30, 2022 Samuel Norman Marcus A. Looney Titan 1A Titan 1B	PO No. SAMPLE MATERIX W A T E R S O I L C O M P O S I T I O N S	NO OF B O T T L E S	ANALYSIS REQUESTED	AIC CONTROL NO. AIC PROPOSAL NO. Carrier./Tracking No. Received Temperature C Remarks Field pH calibration
Container Type Preservative					
Turnaround Time Requested: (please circle) NORMAL or EXPEDITED IN 1 DAY Expedited results requested by: Who should AIC contact with questions: Phone: Report Attention to: Report Address to: Email Address:	P = Plastic S = Sulfuric acid pH2 NO = none G = Glass NO = none S = Sulfuric acid pH2 NO = none S = Sulfuric acid pH2 NO = none	V = VOA vials N = Nitric acid pH2 N = Nitric acid pH2 N = Nitric acid pH2	H = HCl to pH12 B = NaOH to pH12 By: <u>M.A. 3007</u>	T = Sodium Thiosulfate Z = Zinc acetate Received By:	Date/Time 8-9-22 08:05 Date/Time 8-9-22 0900
Comments EX-5676 34652790					