Wilson, Tabatha

| From: | Gilliam, Allen |
|--------------|--|
| Sent: | Monday, April 14, 2014 3:41 PM |
| То: | Aaron.Exley@nidec-motor.com |
| Cc: | mark.becker@nidec-motor.com; Fuller, Kim; Wilson, Tabatha; Mena Mike Spencer |
| | (menawwtp@gmail.com); mena charles pitman; fayetteville denise georgiou |
| Subject: | AR0036692_Nidec ARP000026 April 2014 semi annual Pretreatment report with ADEQ |
| | reply_20140414 |
| Attachments: | DMR Report April 2014.pdf |

Aaron,

Nidec's semi-annual Pretreatment report was received, reviewed, deemed complete and compliant with the Federal Pretreatment reporting requirements in 40 CFR 403.12(e) and more specifically compliant with the Metal Finishing standards in 40 CFR 433.17.

No further action is deemed necessary at this time.

Thank you for the explanation of Nidec's sampling regarding elevated zinc and what wastewater was actually discharged vs. what was analyzed just for quality control, but not discharged to the City.

Thank you for your timely report remaining in compliance with the Federal Pretreatment Regulations in 40 CFR 403.

Sincerely,

Allen Gilliam ADEQ State Pretreatment Coordinator 501.682.0625

ec: Mike Spencer, Mena Wastewater Superintendent Charles Pitman, Mena General Manager Denise Georgiou, CH2M Hill consultant engineer to Mena

E/NPDES/NPDES/Pretreatment/Reports

From: Exley, Aaron [NMCA-MEN] [mailto:aaron.exley@nidec-motor.com]
Sent: Monday, April 14, 2014 11:39 AM
To: Gilliam, Allen; Edwards, Charles [NMCA-MAL]
Cc: Wiseman, Randy [NMCA-STL]; Mena Mike Spencer (menawwtp@gmail.com) (menawwtp@gmail.com)
Subject: Electronic Copy DMR for April 2014

We also have a hard copy of the report being sent to you by Certified Mail. This report is for the period Oct13 – Mar14.





April 11, 2014

Aaron Exley Environmental, Health & Safety Manager

Allen Gilliam ADEQ State Pretreatment Coordinator 5301 Northshore Drive North Little Rock, AR 72118-5317

Charles Pitman General Manager Mena Wastewater Utilities 701 Mena Street Mena, AR 71953

Dear Mr. Gilliam and Mr. Pitman,

In accordance with 40 CFR Part 403.12(e) and 40 CFR 433.17, Nidec Motor Corporation, Mena Plant is submitting its Semi-Annual Discharge Report to you for review.

We have remained compliant for the period 10/1/2013 – 3/31/2014.

I would like to point out that we did testing on a batch of waste water Oct. 10th and Nov. 11th. This batch was **held and not released to the POTW**. After two attempts to remove the Zinc this water was removed from our precipitation process. An alternate approved method for eliminating the water was used. We ran a test on the Raw Titan wash water to understand what the Zinc level is when we start the precipitation process, this test is also included in this report.

Tests were performed on 4 batches of waste water with acceptable results. We had Harchem replace the polymer.

All the testing results are attached to this report.

Sincerely,

aron Exlery

Aaron Exley

NIDEC MOTOR CORPORATION





Aaron Exley Environmental, Health & Safety Manager

CC: Mike Spencer – Mena POTW Randy Wiseman - Nidec

NIDEC MOTOR CORPORATION

INDUSTRIAL MOTORS & SYSTEMS – MENA PLANT: 500 North Morrow Street, Mena, AR 71953 PHONE: (479) 394-8741 FAX: (479) 394-8888 EMAIL: aaron.exley@nidec-motor.com

| SEMI-ANNUAL REPORT FOR INDUSTRIA se of this form is <u>not</u> an EPA/ADEQ requirement. | AL USERS REGULATED BY 40 CFR 433 Attn: Water Div/NPDES Pretreatm |
|---|--|
| (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: Aaron Exley TELEPHONE NUMBER: | 479-394-8741 e-mail:aaron.exley@nidec-motor.com |
| (2) REPORTING PERIODFISCAL YEAR From to | (Both Semi-Annual Reports must cover Fiscal Year) |
| A. MONTHS WHICH REPORTS ARE DUE | B. PERIOD COVERED BY THIS REPORT |

| Apr &Oct | FROM: Oct 2013 TO: Mar 2014 |
|--|---|
| (3) DESCRIPTION OF OPERATION | |
| A. REGULATED PROCESSES | B. CHANGES: SUMMARIZE ANY CHANGES IN THE REGULATED PROCESSES |
| CORE PROCESS(ES) | SINCE THE LAST REPORT. ATTACH AN ADDITIONAL SHEET IF THE SPACE BELOW IS INADEQUATE. PROVIDE A NEW SCHEMATIC IF APPROPRIATE. |
| CHECK EACH APPLICABLE BLOCK | Replaced Polymer |
| G Electroplating | |
| X Electroless Plating | |
| G Anodizing | |
| G Coating | |
| G Chemical Etching and Milling | |
| G Printed Circuit Board Manufacture | |
| ANCILLARY PROCESS(ES)* LIST BELOW EACH PROCESS USED IN THE FACILITY Parts washing Stator Submersion Test | |
| | |
| C. Number of Regular Employees at this Facility 390 | D. [Reserved] |

40CFR433 SEMI-ANNUAL REPORT CON'D FACILITY NAME: Nidec Motor Corp.

| | INDIVIDUAL & TOTAL PRO | CESS FLOWS DISCHA | RGED TO POTW IN GAL | LONS PER DAY | r. |
|---|--|--|---|--|-----------------------------------|
| | Process | Average | Maximum | Type of Discharge | |
| | Regulated (Core & | 75.74 | 1,260 | Batch | |
| | Regulated (Cyanide) | - | - | - | |
| | '403.6(e) Unregulated [*] | - | | - | |
| | '403.6(e) Dilute | - | | - | |
| | Cooling Water | 17 | 23 | Continuous | |
| | Sanitary | 13,551.5 | 13,674 | Continuous | |
| | Total Flow to POTW | 13,599 | 13,942 | XXXXXXXX | |
| | "''Unregulated'' has a precise le | gal meaning; see 40CFR | 403.6(e). | | |
| MEASUREM | ENT OF POLLUTANTS | | | | |
| A. TYPE O | F TREATMENT SYSTEM | | B. COM | MMENTS ON TREATMENT S | SYSTEM |
| | | | | | |
| CHECK EA | ACH APPLICABLE BLOCK | | No changes | | |
| CHECK EA G Neutra | | | No changes | | |
| G Neutra X Chemi | lization cal Precipitation and Sedimen | tation | No changes | | |
| G Neutra X Chemi G Chrom | lization cal Precipitation and Sedimen ium Reduction | tation | No changes | | |
| G Neutra X Chemi G Chrom G Cyanid | lization cal Precipitation and Sedimen ium Reduction e Destruction | tation | No changes | | |
| G Neutra X Chemi G Chrom G Cyanid G Other | lization cal Precipitation and Sedimen ium Reduction | tation | No changes | | |
| G Neutra X Chemi G Chrom G Cyanid | lization cal Precipitation and Sedimen ium Reduction e Destruction | tation | No changes | | |
| G Neutra X Chemi G Chrom G Cyanid G Other G None C. THE IN CORE & A TABULAT | lization cal Precipitation and Sedimen ium Reduction e Destruction | M SAMPLING AND AN T, IF APPLICABLE). A COLLECTED DURING | VALYSIS OF THE EFFLUI TTACH THE LAB ANAL THE REPORT PERIOD IN | YSIS WHICH SHOWS A MAX NTHE SPACE PROVIDED BI | XIMUM; ELOW. ZERO |
| G Neutra X Chemi G Chrom G Cyanid G Other G None C. THE IN CORE & A TABULATI CONCENT | lization cal Precipitation and Sedimen ium Reduction e Destruction DUSTRIAL USER MUST PERFOR NCILLARY(AFTER TREATMEN E ALL THE ANALYTICAL DATA O | M SAMPLING AND AN F, IF APPLICABLE). A COLLECTED DURING E; LIST THE DETECTI | VALYSIS OF THE EFFLUI TTACH THE LAB ANAL THE REPORT PERIOD IN ON LIMIT IF CONCENTI | YSIS WHICH SHOWS A MAX NTHE SPACE PROVIDED BI | XIMUM; ELOW. ZER ECTION LIM |

| 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 | <.007 | 0.011 | <0.04 | <0.01 | <.007 | 0.72 | <0.01 | Na* |
| Avg Measured** | <.004 | <.007 | 0.011 | <0.04 | <0.01 | <.007 | 0.72 | <0.01 | Na* |

Sample Location Discharge from Waste Water Stream_____

Sample Type (Grab or Composite)___Grab_____

Number of Samples and Frequency Collected___1 every 6 mo. Required / 7 samples taken this period

40CFR136 Preservation and Analytical Methods Use: X Yes G 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.

40CFR433 SEMI-ANNUAL REPORT CON'D FACILITY NAME: _Nidec Motor Corp.

(6) CERTIFICATION

A. [Reserved]

[Reserved]

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) | | / |
|----------------------|----------|-----|
| | - / - | ./ |
| | 11 11 11 | 1-0 |
| - // | 1/16 /1 | · F |

Date of Signature <u>4 - 11 - 14</u>

CORPORATE ACKNOWLEDGEMENT (Optional)

40CFR433 SEMI-ANNUAL REPORT CON'D FACILITY NAME: _Nidec Motor Corp.

| | STATE OF ARKANSAS) |
|--------|---|
| | COUNTY OFPolk) |
| | |
| | Before me, the undersigned authority, on this day personally appeared |
| | of |
| | Given under my hand and seal of office on this day of, 200 |
| | Notary Public in and for |
| | County, Arkansas |
| | My commission expires |
| | |
| | |
| | |
| | |
| (7) P | DLLUTION PREVENTION ACT OF 1990 [42 U.S.C. 13101 et seq.] |
| | 220 HOATALY BAHORAACT OF 1990 [42 0.5.C. 1910] El seq.] |
| | ¹ 6602 [42 U.S.C. 13101] Findings and Policy para (b) PolicyThe 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. |
| | |
| Floor | e User may list any new or ongoing Pollution Prevention practices: Irains sealed |
| | I SPCC and SWPPP training |
| | I Hazcom Training |
| Batche | s can be held until test results are received. |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| (8) G | ENERAL COMMENTS |

40CFR433 SEMI-ANNUAL REPORT CON'D FACILITY NAME: _Nidec Motor Corp.

(9) SIGNATORY REQUIREMENTS [40CFR403.12(1)]

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.

Mark Kinder

NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE

____Plant Manager ____ OFFICIAL TITLE

Mh,

SIGNATURE

A-11-14

DATE SIGNED

| Analytical Waste Water Testing for | Testing for Oc | Oct13 - Mar14 | | | | | | |
|------------------------------------|----------------|---------------|-----------------|--------|--------------|--------|--------|------|
| | Total | | | | | | | |
| Date | Cyanide | Cadmium | Chromium Copper | Copper | Lead | Nickel | Silver | Zinc |
| Max one day | 1.2 | 0.11 | 2.77 | 3.38 | 0.69 | 3.98 | 0.43 | 2.61 |
| Monthly Avg | 0.65 | 0.07 | 1.71 | 2.07 | 0.43 | 2.38 | 0.24 | 1.48 |
| Batch 11/21/2013 | <0.01 | <0.004 | <0.007 | 0.011 | 0.011 < 0.04 | <0.01 | <0.007 | 0.14 |
| Batch 12/4/2013 | NT | NT | NT | NT | NT | NT | NT | 0.26 |
| Batch 12/16/2013 | NT | NT | NT | NT | NT | NT | NT | 0.26 |
| Batch 1/15/2014 | NT | NT | NT | NT | NT | NT | NT | 0.72 |

| Waste water tested but not sent to POTW | ot sent to PC | TW | | | | | | |
|---|---------------|---------------|-------|-------|-------|------|--------|------------------------------------|
| Held 10/10/2013 | 0.0052 | 0.0052 <0.007 | 0.066 | 0.019 | <0.04 | 0.24 | <0.007 | 3.9 Note-Same batch of waste water |
| Held 11/7/2013 | | | | | | | | 3.2 |
| | | | | | | | | |

Batch of water sent to evaporator, see Harchem Report

| Raw 11/26/2013 | NT | NT | NT | NT | NT | NT | NT | 1.5 | Raw |
|--|----------------------|---------------|--------------|------------|-------------|--------------|--------------|-------------|-----|
| The Titan wash water was test | s tested from the ta | n the tank so | o we could i | understand | what the Zi | nc is before | it goes to o | ur process. | |
| No worker active to the DOTM with a solution of the Network of the solution of | TIAL | | | | | | | | |

No water going to the POTW was assosiated with this test.



November 25, 2013 Control No. 172800 Page 1 of 5

Nidec Motor Corporation ATTN: Mr. Aaron Exley 500 N Morrow Street Mena, AR 71953

This report contains the analytical results and supporting information for the sample submitted on November 22, 2013. 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 Laboratory Director or a qualified designee.

hn Overbey

Laboratory Director



November 25, 2013 Control No. 172800 Page 2 of 5

Nidec Motor Corporation 500 N Morrow Street Mena, AR 71953

SAMPLE INFORMATION

Project Description:

One (1) water sample(s) received on November 22, 2013 Dip Tank P.O. No. PO16010272271

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:

| Laboratory ID | Client Sample ID | Sampled Date/Time | Notes |
|---------------|--|-------------------|-------|
| 172800-1 | Metals #1, Cyanide #2 11-21-13 10:24,10:26 | 21-Nov-2013 1026 | 1 |

Notes:

1. Received temperature of samples did not meet regulatory requirements

Case Narrative:

There were no qualifiers for this data and all samples met quality control criteria.

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", 21st edition.

"American Society for Testing and Materials" (ASTM).

"Association of Analytical Chemists" (AOAC).



November 25, 2013 Control No. 172800 Page 3 of 5

Nidec Motor Corporation 500 N Morrow Street Mena, AR 71953

ANALYTICAL RESULTS

AIC No. 172800-1

Sample Identification: Metals #1, Cyanide #2 11-21-13 10:24,10:26

| | | Result | RL | Units | Qualifier |
|--------------------------------------|-------------------------------|-----------------------------------|---------------------------|------------------------------|-----------|
| Total Cyanide SM 4500-CN C,E 1999 | Prep: 22-Nov-2013 1107 by 308 | < 0.01 Analyzed: 22-Nov-2 | 0.01 2013 1506 by 308 | mg/l Batch: W45733 | |
| Cadmium EPA 200.7 | Prep: 22-Nov-2013 0929 by 271 | < 0.004 Analyzed: 22-Nov-2 | 0.004 2013 1834 by 305 | mg/l Batch: S35828 | |
| Chromium EPA 200.7 | Prep: 22-Nov-2013 0929 by 271 | < 0.007 Analyzed: 22-Nov-2 | 0.007 2013 1834 by 305 | mg/l Batch: S35828 | |
| Copper EPA 200.7 | Prep: 22-Nov-2013 0929 by 271 | 0.011 Analyzed: 22-Nov-2 | 0.006 2013 1834 by 305 | mg/l Batch: S35828 | |
| Lead EPA 200.7 | Prep: 22-Nov-2013 0929 by 271 | < 0.04 Analyzed: 22-Nov-2 | 0.04 2013 1834 by 305 | mg/l Batch: S35828 | |
| Nickel EPA 200.7 | Prep: 22-Nov-2013 0929 by 271 | < 0.01 Analyzed: 22-Nov-2 | 0.01 2013 1834 by 305 | mg/l Batch: S35828 | |
| Silver EPA 200.7 | Prep: 22-Nov-2013 0929 by 271 | < 0.007 Analyzed: 22-Nov-2 | 0.007 2013 1834 by 305 | mg/l Batch: S35828 | |
| Zinc EPA 200.7 | Prep: 22-Nov-2013 0929 by 271 | 0.14 Analyzed: 22-Nov-2 | 0.002 2013 1834 by 305 | mg/l Batch: S35828 | |

11 ALL ALL 11(26/2013 ALC 11(26/2013



November 25, 2013 Control No. 172800 Page 4 of 5

Nidec Motor Corporation 500 N Morrow Street Mena, AR 71953

LABORATORY CONTROL SAMPLE RESULTS

| Analyte | Spike Amount | % | Limits | RPD | Limit | Batch | Preparation Date | Analysis Date | Dil | Qual |
|---------------|-----------------|------|----------|-----|-------|--------|---------------------|---------------------|-----|------|
| Total Cyanide | 0.1 mg/l | 93.8 | 85.0-115 | | | W45733 | 22Nov13 0837 by 308 | 22Nov13 1434 by 308 | | - |
| Cadmium | 5 mg/l | 99.2 | 85.0-115 | | | S35828 | 22Nov13 0913 by 271 | 22Nov13 1651 by 305 | | |
| Chromium | 0.5 mg/l | 96.3 | 85.0-115 | | | S35828 | 22Nov13 0913 by 271 | 22Nov13 1651 by 305 | | |
| Copper | 0.5 mg/l | 98.7 | 85.0-115 | | | S35828 | 22Nov13 0913 by 271 | 22Nov13 1651 by 305 | | |
| Lead | 5 mg/l | 99.2 | 85.0-115 | | | S35828 | 22Nov13 0913 by 271 | 22Nov13 1651 by 305 | | |
| Nickel | 0.5 mg/l | 99.3 | 85.0-115 | | | S35828 | 22Nov13 0913 by 271 | 22Nov13 1651 by 305 | | |
| Silver | 0.1 mg/l | 98.2 | 85.0-115 | | | S35828 | 22Nov13 0913 by 271 | 22Nov13 1651 by 305 | | |
| Zinc | 0.5 mg/l | 93.5 | 85.0-115 | | | S35828 | 22Nov13 0913 by 271 | 22Nov13 1651 by 305 | | |

MATRIX SPIKE SAMPLE RESULTS

| Analyte | Spike Sample Amount | % | Limits | Batch | Preparation Date | Analysis Date | Dil | Qual |
|---------------|--|-----------------------|------------------------------|----------------------------|--|--|----------|------|
| Total Cyanide | 172823-1 0.1 mg/l 172823-1 0.1 mg/l Relative Percent Difference: | 96.1 88.7 8.01 | 75.0-125 75.0-125 20.0 | W45733 W45733 W45733 | 22Nov13 1450 by 302 22Nov13 1450 by 302 | 22Nov13 1847 by 93 22Nov13 1848 by 93 | <u> </u> | duar |
| Cadmium | 172793-1 5 mg/l 172793-1 5 mg/l Relative Percent Difference: | 99.0 98.7 0.370 | 75.0-125 75.0-125 20.0 | S35828 S35828 S35828 | 22Nov13 0913 by 271 22Nov13 0913 by 271 | 22Nov13 1654 by 305 22Nov13 1658 by 305 | | |
| Chromium | 172793-1 0.5 mg/l 172793-1 0.5 mg/l Relative Percent Difference: | 95.5 94.4 1.13 | 75.0-125 75.0-125 20.0 | S35828 S35828 S35828 | 22Nov13 0913 by 271 22Nov13 0913 by 271 | 22Nov13 1654 by 305 22Nov13 1658 by 305 | | |
| Copper | 172793-1 0.5 mg/l 172793-1 0.5 mg/l Relative Percent Difference: | 99.7 99.5 0.190 | 75.0-125 75.0-125 20.0 | S35828 S35828 S35828 | 22Nov13 0913 by 271 22Nov13 0913 by 271 | 22Nov13 1654 by 305 22Nov13 1658 by 305 | | |
| Lead | 172793-1 5 mg/l 172793-1 5 mg/l Relative Percent Difference: | 100 99.0 1.31 | 75.0-125 75.0-125 20.0 | S35828 S35828 S35828 | 22Nov13 0913 by 271 22Nov13 0913 by 271 | 22Nov13 1654 by 305 22Nov13 1658 by 305 | | |
| Nickel | 172793-1 0.5 mg/l 172793-1 0.5 mg/l Relative Percent Difference: | 98.6 97.7 0.867 | 75.0-125 75.0-125 20.0 | S35828 S35828 S35828 | 22Nov13 0913 by 271 22Nov13 0913 by 271 | 22Nov13 1654 by 305 22Nov13 1658 by 305 | | |
| Silver | 172793-1 0.1 mg/l 172793-1 0.1 mg/l Relative Percent Difference: | 98.2 97.9 0.343 | 75.0-125 75.0-125 20.0 | S35828 S35828 S35828 | 22Nov13 0913 by 271 22Nov13 0913 by 271 | 22Nov13 1654 by 305 22Nov13 1658 by 305 | | |
| Zinc | 172793-1 0.5 mg/l 172793-1 0.5 mg/l Relative Percent Difference: | 95.0 93.7 0.872 | 75.0-125 75.0-125 20.0 | S35828 S35828 S35828 | 22Nov13 0913 by 271 22Nov13 0913 by 271 | 22Nov13 1654 by 305 22Nov13 1658 by 305 | | |



November 25, 2013 Control No. 172800 Page 5 of 5

Nidec Motor Corporation 500 N Morrow Street Mena, AR 71953

LABORATORY BLANK RESULTS

| Analyte | | Result | RL | PQL | QC Sample | Preparation Date | Analysis Date | Qual |
|---------------|----|--------------|-------|-------|--------------|--|---------------------|------|
| Total Cyanide | | < 0.005 mg/l | 0.005 | 0.01 | W45733-1 | | 22Nov13 1432 by 308 | |
| Cadmium | | < 0.004 mg/l | 0.004 | 0.004 | S35828-1 | | 22Nov13 1647 by 305 | |
| Chromium | | < 0.007 mg/l | 0.007 | 0.007 | S35828-1 | Characterization of the second s | 22Nov13 1647 by 305 | |
| Copper | | < 0.006 mg/l | 0.006 | 0.006 | S35828-1 | mentions we represent the | 22Nov13 1647 by 305 | |
| Lead | | < 0.04 mg/l | 0.04 | 0.04 | S35828-1 | 22Nov13 0913 by 271 | 22Nov13 1647 by 305 | |
| Nickel | | < 0.01 mg/l | 0.01 | 0.01 | S35828-1 | 22Nov13 0913 by 271 | 22Nov13 1647 by 305 | |
| Silver | | < 0.007 mg/l | 0.007 | 0.007 | S35828-1 | 22Nov13 0913 by 271 | 22Nov13 1647 by 305 | |
| Zinc | 62 | < 0.002 mg/l | 0.002 | 0.002 | S35828-1 | 22Nov13 0913 by 271 | 22Nov13 1647 by 305 | |

INTERPLEX INTERPLEX LABORATORIES

ANRRSID!

••

CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

••

| PAGE OF | AIC CONTROL NO: | AIC PROPOSAL NO: | Cameri racking No. | Received Temperature C | | STELLAN | | | | Field pH calibration | 60 | Buffer. | T = Sodium Thiosuffate Z = Zinc acetate | | As / whe 3:00 P.M | A de | بالمل | 5 | CV, Pb, N, Ag, ZN +CN | FORM 0060 | |
|------------------------|-------------------------|----------------------|-----------------------|------------------------|------------------------------|---------------------------|-------------------------------|------|--|----------------------|----------------|---------|--|---|-------------------|---|-----------------------------------|---|---|---------------|-------|
| ANA! YSES BED! (CETED! | | | × • | | っていって | | × | | | | | | | er Date/Time Recei | 12:56 W | Date/Time Received in U | Duran Internet | | ELT XUC I METMOD, METMOD COCCA, CV, Pb, N, Hg, ZN +CN | 1043 898 PCH> | · · · |
| PO No. NO | L. | SAMPLE B MATRIX 0 | · X | Ŗ | Σσ mα | XXIIIIXX | X X IIIIII | | | | | | V = VDA | Relinquished | | 8880 | Dech | | 121 200 | • | |
| | Client NIDEL Moran CORP | Reference: Dip TUNK | Manager HARON Ex LE 1 | EDD MY | No. Identification Collected | 1 METAL 5" 11:21-12 DigUX | 1 EYAUIDE# & W. 81. 3 10.26 X | | | | Container 1ype | | G = Glass Y F = Plastic NO = none S = Sulturic acid pH2 | Tumaround Time Requested: (Please circle) NORMAL or EXPEDITED IN 2 DAYS | 2 | Who should AIC contact with questions: Ha Row | Report Attention to: P/A Kar Sale | | 19-04-09 | | |



December 6, 2013 Control No. 173196 Page 1 of 4

Nidec Motor Corporation ATTN: Mr. Aaron Exley 500 N Morrow Street Mena, AR 71953

This report contains the analytical results and supporting information for the sample submitted on December 5, 2013. 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 Laboratory Director or a qualified designee.

Jøhn Overbey aboratory Director

This document has been distributed to the following:

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



December 6, 2013 Control No. 173196 Page 2 of 4

Nidec Motor Corporation 500 N Morrow Street Mena, AR 71953

SAMPLE INFORMATION

Project Description:

One (1) water sample(s) received on December 5, 2013 Raw Titan P.O. No. 16010273703

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:

| Laboratory ID | Client Sample ID | Sampled Date/Time | Notes |
|---------------|-------------------------|-------------------|-------|
| 173196-1 | Titan #1 12-4-13 9:30am | 04-Dec-2013 0930 | Notes |

Case Narrative:

There were no qualifiers for this data and all samples met quality control criteria.

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", 21st edition.

"American Society for Testing and Materials" (ASTM).

"Association of Analytical Chemists" (AOAC).



December 6, 2013 Control No. 173196 Page 3 of 4

Nidec Motor Corporation 500 N Morrow Street Mena, AR 71953

ANALYTICAL RESULTS

AIC No. 173196-1 Sample Identification: Titan #1 12-4-13 9:30am

| Analyte | | Result | RL | Units | Qualifier |
|-----------|-------------------------------|-----------------|---------------------|---------------|-----------|
| Zinc | | 0.26 | 0.002 | mg/l | |
| EPA 200.8 | Prep: 05-Dec-2013 1102 by 305 | Analyzed: 05-De | ec-2013 1219 by 305 | Batch: S35904 | |



LABORATORY CONTROL SAMPLE RESULTS

| | Spike | | | | | | | | | |
|---------|-----------|-----|----------|-----|-------|--------|---------------------|---------------------|-----|------|
| Analyte | Amount | % | Limits | RPD | Limit | Batch | Preparation Date | Analysis Date | Dil | Qual |
| Zinc | 0.05 mg/l | 101 | 85.0-115 | | | S35904 | 05Dec13 0824 by 305 | 05Dec13 1041 by 305 | | _ |

MATRIX SPIKE SAMPLE RESULTS

| Analyte | Spike Sample Amount | % | Limits | Batch | Preparation Date | Analysis Date | Dil | Qual |
|---------|-----------------------------|--------|----------|--------|---------------------|---------------------|-----|------|
| Zinc | 173112-1 0.05 mg/l | 99.4 | 75.0-125 | S35904 | 05Dec13 0824 by 305 | 05Dec13 1046 by 305 | | - |
| | 173112-1 0.05 mg/l | 101 | 75.0-125 | S35904 | 05Dec13 0824 by 305 | 05Dec13 1052 by 305 | | |
| | Relative Percent Difference | : 1.34 | 20.0 | S35904 | | 8 68 18 | | |

LABORATORY BLANK RESULTS

| An externa and parts | | | | QC | | | |
|----------------------|--------------|-------|-------|----------|---------------------|---------------------|------|
| Analyte | Result | RL | PQL | Sample | Preparation Date | Analysis Date | Qual |
| Zinc | < 0.002 mg/l | 0.002 | 0.002 | S35904-1 | 05Dec13 0824 by 305 | 05Dec13 1036 by 305 | |

AMERICAN INTERPLEX CORPORATION LABORATORIES

CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

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December 18, 2013 Control No. 173583 Page 1 of 4

Nidec Motor Corporation ATTN: Mr. Aaron Exley 500 N Morrow Street Mena, AR 71953

This report contains the analytical results and supporting information for the sample submitted on December 17, 2013. 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 Laboratory Director or a qualified designee.

Steve Bradford Deputy Laboratory Director

This document has been distributed to the following:

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



SAMPLE INFORMATION

Project Description:

One (1) water sample(s) received on December 17, 2013 NEMA Carrousel P.O. No. 16010275481

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:

| Laboratory ID | Client Sample ID | Sampled Date/Time | Notes |
|---------------|----------------------------------|-------------------|-------|
| 173583-1 | Nema Carrousel 12/16/2013 9:30am | 16-Dec-2013 0930 | 10100 |

Case Narrative:

There were no qualifiers for this data and all samples met quality control criteria.

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", 21st edition.

"American Society for Testing and Materials" (ASTM).

"Association of Analytical Chemists" (AOAC).



ANALYTICAL RESULTS

AIC No. 173583-1 Sample Identification: Nema Carrousel 12/16/2013 9:30am

| Analyte | | Result | RL | Units | Qualifier |
|-----------|-------------------------------|----------------|----------------------|---------------|-----------|
| Zinc | | 0.26 | 0.002 | mg/l | |
| EPA 200.7 | Prep: 17-Dec-2013 1449 by 271 | Analyzed: 18-E | Dec-2013 1137 by 305 | Batch: S35970 | |

December 18, 2013 Control No. 173583 Page 3 of 4



LABORATORY CONTROL SAMPLE RESULTS

| Analyte | Spike | | | | | | | | | |
|---------|----------|------|----------|-----------------------|-------|--------|---------------------|---------------------|-----|------|
| | Amount | _ % | Limits | RPD | Limit | Batch | Preparation Date | Analysis Date | Dil | Qual |
| Zinc | 0.5 mg/l | 94.3 | 85.0-115 | and the second second | 100 | S35970 | 17Dec13 1412 by 311 | 18Dec13 1126 by 305 | | - |

MATRIX SPIKE SAMPLE RESULTS

| Analyte | Spike Sample Amount | % | Limits | Batch | Preparation Date | Analysis Date | Dil | Qual |
|---------|---------------------------|-----------|----------|--------|---------------------|---------------------|-----|------|
| Zinc | 173567-1 0.5 mg/l | 93.0 | 75.0-125 | S35970 | 17Dec13 1412 by 311 | 18Dec13 1129 by 305 | | |
| | 173567-1 0.5 mg/l | 93.3 | 75.0-125 | | 17Dec13 1412 by 311 | | | |
| | Relative Percent Differen | ce: 0.289 | 20.0 | S35970 | | 11 4 201904 | | |

LABORATORY BLANK RESULTS

| A | | | | QC | | | |
|---------|--------------|-------|-------|----------|---------------------|---------------------|------|
| Analyte | Result | RL | PQL | Sample | Preparation Date | Analysis Date | Qual |
| Zinc | < 0.002 mg/l | 0.002 | 0.002 | S35970-1 | 17Dec13 1412 by 311 | 18Dec13 1123 by 305 | |

Camer/Tracking No: Received Temperature C Date/Time-13 AIC GONTROL NO. 3 1230 10.20 AIC PROPOSAL NC Remarks Field pH calibration Date/Time B 0 PAGE pH = 8.4 on Buffer: Z = Zinc acetate Received By: Rum Received in Lab T = Sodium Thiosulfate Ma 5898 6559 By: 12-16-13 1618 Date/Time ANALYSIS REQUESTED EPA 200.7 METHOD METALS Zn ONLY 12/16/2013 NO Sugo Kanis Koud 72204 Little Kock AR POLEdian CHAIN OF CUSTODY I ANALYSIS REQUEST FORM Date/Time υZ × 6∀ 5429 !N BY: 7 matter By: ZILMANA Edd Myers Ч B = NaOH to pH12 H = HCI to pH2 ٨D Relinquished Comments: ЯЗ CD NO PP 00 JШO S = Sulfuric acid pH2 N = Nitric acid pH2 z V = VOA vials SAMPLE sΟ PO No. 479-394-8888 3 × υοΣα 1 DAYS P = Plastic AARON EXLEY AARON EXLEY Fax: o ∝ < œ × Container Type Preservative NIDEC MOTOR CORP 500 N. MORROW ST. Nema Carrousel Edd Myers Date / Time Collected 9:30am 12/16/2013 Aaron Exley Turnaround Time Requested: (please dird NORMAL or EXPEDINED IN Who should AIC contact with questions: AMERICAN INTERPLEX Report Attention to : AARON EXLEY Report Address to: 500 N. Mi ·· G = Glass Expedited results requested by: CORPORATION LABORATORIES Nema Carrousel 479-394-8741 Identification Sample NORMAL or Reference Manager: Sampled Project Project Phone: Client: . AIC AIC o. ••••



January 17, 2014 Control No. 174478 Page 1 of 4

Nidec Motor Corporation ATTN: Mr. Aaron Exley 500 N Morrow Street Mena, AR 71953

This report contains the analytical results and supporting information for the sample submitted on January 16, 2014. 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 Laboratory Director or a qualified designee.

hn Overbey aboratory Director

This document has been distributed to the following:

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



January 17, 2014 Control No. 174478 Page 2 of 4

Nidec Motor Corporation 500 N Morrow Street Mena, AR 71953

SAMPLE INFORMATION

Project Description:

One (1) water sample(s) received on January 16, 2014 Nema Carrousel P.O. No. 16010278529

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:

| Laboratory ID | Client Sample ID | Sampled Date/Time | Notes |
|---------------|---------------------------|-------------------|-------|
| 174478-1 | Titan #1 1/15/2014 8:55am | 15-Jan-2014 0855 | Notes |

Case Narrative:

There were no qualifiers for this data and all samples met quality control criteria.

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", 21st edition.

"American Society for Testing and Materials" (ASTM).

"Association of Analytical Chemists" (AOAC).



January 17, 2014 Control No. 174478 Page 3 of 4

ANALYTICAL RESULTS

AIC No. 174478-1 Sample Identification: Titan #1 1/15/2014 8:55am

| Analyte | | Result | RL | Units | Qualifier |
|-----------|-------------------------------|---------------|----------------------|-------|-----------|
| Zinc | | 0.72 | 0.002 | mg/l | |
| EPA 200.7 | Prep: 16-Jan-2014 1120 by 271 | Analyzed: 16- | Jan-2014 1550 by 305 | | |



LABORATORY CONTROL SAMPLE RESULTS

| | Spike | | | | | | | | | |
|---------|----------|-----|----------|-----|-------|--------|---------------------|---------------------|-----|------|
| Analyte | Amount | % | Limits | RPD | Limit | Batch | Preparation Date | Analysis Date | Dil | Qual |
| Zinc | 0.5 mg/l | 102 | 85.0-115 | | | S36109 | 16Jan14 1120 by 271 | 16Jan14 1542 by 305 | | |

MATRIX SPIKE SAMPLE RESULTS

| Analyte | 10 C C C C C C C C C C C C C C C C C C C | pike mount | % | Limits | Batch | Preparation Date | Analysis Date | Dil | Qual |
|---------|--|----------------|------|----------|--------|---------------------|---------------------|-----|------|
| Zinc | 174478-1 0 | .5 mg/l | 96.0 | 75.0-125 | S36109 | 16Jan14 1120 by 271 | 16Jan14 1545 by 305 | 0 | |
| | 174478-1 0 | .5 mg/l | 107 | 75.0-125 | S36109 | 16Jan14 1120 by 271 | 16Jan14 1547 by 305 | | |
| | Relative Perce | nt Difference: | 4.49 | 20.0 | S36109 | | | | |

LABORATORY BLANK RESULTS

| | | | | QC | | | |
|---------|--------------|-------|-------|----------|---------------------|---------------------|------|
| Analyte | Result | RL | PQL | Sample | Preparation Date | Analysis Date | Qual |
| Zinc | < 0.002 mg/l | 0.002 | 0.002 | S36109-1 | 16Jan14 1120 by 271 | 16Jan14 1539 by 305 | |

| | Turnaround Time 8 NORMAL or Expedited results r Who should AIC or Phone: 479-39 Report Attention to Report Address to: | Amanager: | |
|--|--|---|---------|
| | G = Glass NO = none equested fy: equested by: | AMERICAN INTERPLEX CORPORATION LABORATORIES Sample Identification Titan # 1 G = Glass G = Glass | |
| | P = Plastic Sutturic acid pH2 1 DAYS CON EXLEY ON EXLEY 479-394 | | |
| , EPA 200.7 | 2 B = NaOH Relinquishe By: Relinquishe Brinquishe | | |
| EPA 200.7 METHOD METALS ZA ONLY Stiza SF98 6802 | to pH2 t T to pH12 t T d DateTime d DiSTAR Edd Myers U152014 d DateTime d DateTime d DateTime | ALYSIS REQUEST FORM | in with |
| | T = Sodium Thiosulfate Z = Zinc acetate Received By: Knue But four four Received in Latr Received in Latr By: ECCN Sur four | | ÷ |
| Received in Leb: Shore huber | Date/Time 10:10///S/2004 | PAGE OF AIC CONTROL NO: $17 \downarrow \lor 75$ AIC PROPOSAL NO: Camer./Tracking No: Received Temperature C (a, 0) Received Temperature C an Field pH calibration Buffer. | |

Testing of Raw Titan Water / no water was processed connected with this test.



December 2, 2013 Control No. 172980 Page 1 of 4

Nidec Motor Corporation ATTN: Mr. Aaron Exley 500 N Morrow Street Mena, AR 71953

This report contains the analytical results and supporting information for the sample submitted on November 27, 2013. 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 Laboratory Director or a qualified designee.

hn Overbey boratory Director

This document has been distributed to the following:

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



December 2, 2013 Control No. 172980 Page 2 of 4

Nidec Motor Corporation 500 N Morrow Street Mena, AR 71953

SAMPLE INFORMATION

Project Description:

One (1) water sample(s) received on November 27, 2013 P.O. No. 16010273042

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:

| Laboratory ID | Client Sample ID | Sampled Date/Time | Notes |
|---------------|---------------------------|-------------------|-------|
| 172980-1 | Raw Titan 11-26-13 9:30am | 26-Nov-2013 0930 | Hotes |

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", 21st edition.

"American Society for Testing and Materials" (ASTM).

"Association of Analytical Chemists" (AOAC).



December 2, 2013 Control No. 172980 Page 3 of 4

Nidec Motor Corporation 500 N Morrow Street Mena, AR 71953

ANALYTICAL RESULTS

AIC No. 172980-1 Sample Identification: Raw Titan 11-26-13 9:30am

| Analyte | | Result | RL | Units | Qualifier |
|--------------------------|-------------------------------|-----------------------|------------------------------|---------------|-----------|
| Zinc EPA 200.8 | Prep: 27-Nov-2013 1107 by 305 | 1.5 Analyzed: 27-N | 0.02 Nov-2013 1509 by 305 | mg/l | D |
| | | / mary200. 21-1 | 10V-2013 1509 by 305 | Batch: S35861 | Dil: 10 |

RAW WATED - TESTED FROM WAS HER



LABORATORY CONTROL SAMPLE RESULTS

| | Spike | | | | | | | | | |
|---------|-----------|-----|----------|-----|-----------------------|--------|---------------------|---------------|-----|------|
| Analyte | Amount | % | Limits | RPD | Limit | Batch | Preparation Date | Analysis Date | Dil | Qual |
| Zinc | 0.05 mg/l | 101 | 85.0-115 | | and the second second | S35861 | 27Nov13 0828 by 305 | | | Guar |

MATRIX SPIKE SAMPLE RESULTS

| Analyte | Sample | Spike Amount | % | Limits | Batch | Preparation Date | Analysis Date | Dil | Qual |
|---------|------------------|------------------|------|----------|--------|---------------------|---------------------|-----|------|
| Zinc | 172968-1 | 0.05 mg/l | 104 | 75.0-125 | S35861 | 27Nov13 0828 by 305 | 27Nov13 1335 by 305 | | |
| | 172968-1 | 0.05 mg/l | 105 | 75.0-125 | S35861 | 27Nov13 0828 by 305 | | | |
| | Relative Percent | cent Difference: | 1.16 | 20.0 | S35861 | | | | |

LABORATORY BLANK RESULTS

| Analyte | Desult | ы | | QC | | | |
|---------|--------------|-------|-------|----------|---------------------|---------------------|------|
| | Result | | PQL | Sample | Preparation Date | Analysis Date | Qual |
| Zinc | < 0.002 mg/l | 0.002 | 0.002 | S35861-1 | 27Nov13 0828 by 305 | 27Nov13 1325 by 305 | • |

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| AMERICAN INTERPLEX COMMANNA LABORATORIES CHAIN OF CU | Client: MIDEL Mora. Corrent. Corrent. Corrent. Pono. No. Pono. No. Proget. Preference: SAMPLE B Preference: All DEL Mora. Lor No. No. OF Project. Project. Manager: All DEL Mytel S S. R. 0. 7 0.0. L Sample B P. 1. 1. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. | |

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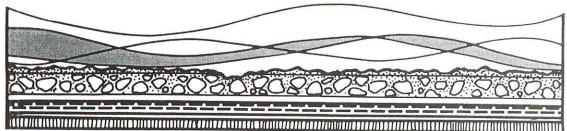
Samples Tested but Not Discharged to POTW

&

Harchem Report

| Location: Chemicals | Mena, AR HB-017 | Attn: Aaron Exley | WT-460 | HEM-533 |
|------------------------|--------------------------|----------------------|---|-----------------------|
| Inventory On Hand | | | | |
| NEED | | | | |
| Usage Concentration | HB-017 | WT-750 | WT-460 | HEM-533 |
| Nemah | | | | |
| Titan | | | | |
| Alkota | | | | |
| Chemicals Used | HB-017 | WT-750 | WT-460 | HEM-533 |
| Nemah | | | | |
| Titan | | | | |
| Alkota | | | | |
| Area Sampled | Zn | Copper | Lead | |
| city | | | | |
| Nemah | | | | |
| Titan | | | | |
| Alkota | | | | |
| Control Ranges | Zn | Copper | Lead | |
| Nemah | | | | |
| Titan | | | | |
| Alkota | | | | |
| Summary of Visit: | | | | |
| I witnessed the re-pro | ocess of Titan #2 based | d on testing via Dat | a Testing Labs of F | ort Smith AR. |
| Data | original pull date 10/ | '8 | | |
| Batch size 900 gal | | | | |
| pH 10.1 | | | | |
| WT-460 65 ml | | | | |
| WT-750 30 ml | | | | |
| HEM-533 9 ml | | | | |
| Changes | | | terran in the second | la |
| | n controller to 9.7 the | average batch ach | ieves a pH of 9.8-1 | 0.0 in the tank 1 pro |
| We raised the pH to 1 | | | | |
| We are attempting to | o maintain the pH abov | ve 10 through the p | oolymer addition. | |
| | | | | |
| 1) Solution is very da | rk. I suspent biological | activity, based on | smell and appeara | nce. I would still |
| | | | | |





October 23, 2013

FOR: Nidec Motor Corp 500 N. Morrow Street Mena, Arkansas 71953

Type of Analysis: Titan # 2

| Date Sample Time Sample Sample Colle Sample #: | Collected: | October 10, 20 Nidec Motor (| | | Date Sample Re Time Sample R Sample Receive Sample Temper | eceived: ed By: | October 15, 2 9:50am D Shelby | 2013 |
|---|-------------------|---------------------------------|--------|-----|--|---------------------|-------------------------------------|-----------------|
| Parameter | Method Number | Date & T Analyz | | By | Reported* <u>Value</u> | MDL <u>mg/Kg</u> | % <u>Recovery</u> | % <u>RDP</u> |
| Cadmium * | EPA 200.8 | 10/17/2013 | 5:01pm | AIP | 0.0052 | 0.004 | 93.4 | 0.329 |
| Chromium * | EPA 200.8 | 10/17/2013 | 5:01pm | AIP | < 0.007 | 0.007 | 95.8 | 0.613 |
| Copper * | EPA 200.8 | 10/17/2013 | 5:01pm | AIP | 0.066 | 0.006 | 97.7 | 2.46 |
| Cyanide * | SM4500 CN C, E | 10/18/2013 | 4:39pm | AIP | 0.019 | 0.01 | 84.6 | 2.39 |
| Lead * | EPA 200.8 | 10/17/2013 | 5:01pm | AIP | <0.04 | 0.04 | 89.8 | 0.805 |
| Nickel * | EPA 200.8 | 10/17/2013 | 5:01pm | AIP | 0.24 | 0.01 | 89.4 | 0.128 |
| Silver * | EPA 200.8 | 10/17/2013 | 5:01pm | AIP | < 0.007 | 0.007 | 94.4 | 3.29 |
| Zinc * | EPA 200.8 | 10/17/2013 | 5:01pm | AIP | 3.9 | 0.002 | 98.5 | 1.25 |

* Sample Analyzed by American Interplex

Reviewed By:

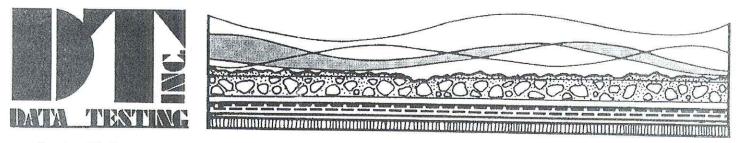
Dolores Shelby

*All results reported in mg/l unless otherwise indicated.

Method: 19th, 20th & 21st Edition of "Standard Methods for the Examination of Water & Wastewater" EPA Regulations, 40 CFR, Part 136

Quality control measures such as blanks, spikes & duplicates are performed daily on at least 10% of all sample. Equipment maintenance & calibration is also performed daily under the guidelines of the USEPA."

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October 23, 2013

FOR: Nidec Motor Corp 500 N. Morrow Street Mena, Arkansas 71953

Type of Analysis: Titan # 2

| Date Sample Time Sample Sample Colle Sample #: | e Collected: | October 10, 20 Nidec Motor (| | | Date Sample Ro Time Sample R Sample Receive Sample Temper | eceived: ed By: | October 15, 2 9:50am D Shelby | 2013 |
|---|-------------------|---------------------------------|--------|-----|--|---------------------|-------------------------------------|-----------------|
| Parameter | Method Number | Date & Analy: | | By | Reported* Value | MDL <u>mg/Kg</u> | % <u>Recovery</u> | % <u>RDP</u> |
| Cadmium * | EPA 200.8 | 10/17/2013 | 5:01pm | AIP | 0.0052 | 0.004 | 93.4 | 0.329 |
| Chromium * | EPA 200.8 | 10/17/2013 | 5:01pm | AIP | < 0.007 | 0.007 | 95.8 | 0.613 |
| Copper * | EPA 200.8 | 10/17/2013 | 5:01pm | AIP | 0.066 | 0.006 | 97.7 | 2.46 |
| Cyanide * | SM4500 CN C, E | 10/18/2013 | 4:39pm | AIP | 0.019 | 0.01 | 84.6 | 2.39 |
| Lead * | EPA 200.8 | 10/17/2013 | 5:01pm | AIP | < 0.04 | 0.04 | 89.8 | 0.805 |
| Nickel * | EPA 200.8 | 10/17/2013 | 5:01pm | AIP | 0.24 | 0.01 | 89.4 | 0.128 |
| Silver * | EPA 200.8 | 10/17/2013 | 5:01pm | AIP | < 0.007 | 0.007 | 94.4 | 3.29 |
| Zinc * | EPA 200.8 | 10/17/2013 | 5:01pm | AIP | 3.9 | 0.002 | 98.5 | 1.25 |

* Sample Analyzed by American Interplex

Reviewed By:

*All results reported in mg/l unless otherwise indicated.

Method: 19th, 20th & 21st Edition of "Standard Methods for the Examination of Water & Wastewater" EPA Regulations, 40 CFR, Part 136

Quality control measures such as blanks, spikes & duplicates are performed daily on at least 10% of all sample. Equipment maintenance & calibration is also performed daily under the guidelines of the USEPA."

Exley, Aaron [NMCA-MEN]

From: Sent: To: Subject: Data Testing <water@mwc-engr.com> Wednesday, October 23, 2013 12:24 PM Exley, Aaron [NMCA-MEN] 10-10_Titan2

October 23, 2013

FOR: Nidec Motor Corp 500 N. Morrow Street Mena, Arkansas 71953

Type of Analysis: Titan # 2

Date Sample Collected:October 10, 2013Date Sample Received:October 15, 2013Time Sample Collected:Time Sample Received:9:50amSample Collected By:Nidec Motor Corp.Sample Received By:D ShelbySample #:20135868Sample Temperature:

| Metho | d Date & Time | Report | ed* | MDL | % | % | | | |
|----------------------|---------------|--------------|--------|-------|--------|--------|-------|-------|-------|
| Parameter | Number | Analyzed | Ву | Value | mg/Kg | Recove | ery | RDP | |
| Cadmium * | EPA 200.8 | 10/17/2013 | 5:01pm | ı | AIP | 0.0052 | 0.004 | 93.4 | 0.329 |
| Chromium * | EPA 200.8 | 10/17/2013 | 5:01pm | ı | AIP | <0.007 | 0.007 | 95.8 | 0.613 |
| Copper * | EPA 200.8 | 10/17/2013 | 5:01pm | n | AIP | 0.066 | 0.006 | 97.7 | 2.46 |
| Cyanide * CN C, E | SM4500 | 10/18/2013 | 4:39pm | ı | AIP | 0.019 | 0.01 | 84.6 | 2.39 |
| Lead * EPA 20 | | /2013 5:01pr | n | AIP | <0.04 | 0.04 | 89.8 | 0.805 | |
| Nickel * | EPA 200.8 | 10/17/2013 | 5:01pm | ı | AIP | 0.24 | 0.01 | 89.4 | 0.128 |
| Silver * EPA 20 | 0.8 10/17/ | /2013 5:01pr | n | AIP | <0.007 | 0.007 | 94.4 | 3.29 | |
| Zinc * EPA 20 | 0.8 10/17/ | /2013 5:01pr | n | AIP | 3.9 | 0.002 | 98.5 | 1.25 | |

* Sample Analyzed by American Interplex Reviewed By:

*All results reported in mg/l unless otherwise indicated.

Method: 19th, 20th & 21st Edition of "Standard Methods for the Examination of Water & Wastewater" EPA Regulations, 40 CFR, Part 136

Quality control measures such as blanks, spikes & duplicates are performed daily on at least 10% of

1

| Company Name: NIDEC MOTOR CORP Phone # 479 394 8741 Requested Analysis Address: 500 N. Morrow St. Mena, Ar. 71953 Fax # 479 394 888 Piolet Name or Number: Piolet Name or Number: Piolet Name Piole | Image: Signature (s): NIDEC MOTOR CORP Phone # 479 394 8741 Requested Analysis Image: Signature (s): Finan # 2 PO. # Fax # 479 394 8888 PO. # Requested Analysis Requested Analysis Image: Signature (s): Time Comt. type Po. # Reduested Analysis Requested Analysis Reduested Analysis Image: Signature (s): Time Comt. type Po. # Reduested Analysis Reduested Analy | | | | | | | | | | | | | | | Z | nd C | n, ar | g, Z | EPA 200.7 METHOD Metals Cd, Cr, Cu, Pb, Ni, Ag, Zn, and CN | r, Cu, | Cd, C | etals | M | THOL | .7 ME | PA 200 | | Comments |
|---|---|------------------|------------------|--------|------|------|-------|------|--------|-------|--------|------|------|-------|---------------------------------------|------|-------|---------------------|------------|--|--------|-----------|-------|------------------------|-------|--------|-----------|-----------------------|----------|
| NIDEC MOTOR CORP Phone # 479 394 8741 Requested Analysis S00 N. Morrow St. Mena, Ar 71953 Fax # 479 394 8888 P.O. # Fint Name: | Image: Single Figure | D | Date: | 0 | | | ory: | orat | Lab | d by | eiveo | Rec | | | me: | 1 | | | Date | | | | | | | 2 | | quished by: | Relin |
| NIDEC MOTOR CORP Phone # 479 394 8741 Requested Analysis S00 N. Morrow St. Mena, Ar 71953 Fax # 479 394 8888 P.O. # Fax # 470 470 471 Fax # Fax # <t< td=""><td>Image: STUC NIDEC MOTOR CORP Phone # 479 394 8741 Requested Analysis NIDEC MOTOR CORP Fax # 479 394 8741 Requested Analysis Image: Stock Number: Time Time # Fax # 479 394 8888 Phone # 479 394 8888 Requested Analysis Requested Analysis Image: Stock Number: Fax # 479 394 8888 Requested Analysis Requested Analysis Image: Stock Nume: Fax # 479 394 8888 Requested Analysis Requested Analysis Image: Stock Nume: Fax # Image: Stock Nume: Fax # Image: Stock Nume: Fax # Requested Analysis Image: Stock Nume: Fax # Image: Stock</td><td>D</td><td>Date:</td><td></td><td></td><td></td><td></td><td></td><td></td><td>d by:</td><td>eive</td><td>Rec</td><td></td><td></td><td>me:</td><td>H</td><td>13</td><td>5/11/ 2</td><td>Date (c</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>46</td><td>Wed by: Uls X</td><td>Rece</td></t<> | Image: STUC NIDEC MOTOR CORP Phone # 479 394 8741 Requested Analysis NIDEC MOTOR CORP Fax # 479 394 8741 Requested Analysis Image: Stock Number: Time Time # Fax # 479 394 8888 Phone # 479 394 8888 Requested Analysis Requested Analysis Image: Stock Number: Fax # 479 394 8888 Requested Analysis Requested Analysis Image: Stock Nume: Fax # 479 394 8888 Requested Analysis Requested Analysis Image: Stock Nume: Fax # Image: Stock Nume: Fax # Image: Stock Nume: Fax # Requested Analysis Image: Stock Nume: Fax # Image: Stock | D | Date: | | | | | | | d by: | eive | Rec | | | me: | H | 13 | 5/11/ 2 | Date (c | | | | | | | | 46 | Wed by: Uls X | Rece |
| NIDEC MOTOR CORP Phone # 479 394 8741 Requested Analysis S00 N. Morrow St. Mena, Ar 71953 Fax # 479 394 8888 Fax # 479 394 8888 Filtan # 2 Filtan # 2 P.O. # P.O. # P.O. # P.O. # Itan # 2 Filtan # 2 Pint Name: Edd Myers P.O. # P.O. # Date Time Comp. Cont. type # of Method Preserved Sample Matrix Fax # Ananonia 1 1 X X Glass Containers Control Solid Control 1 1 X X Glass Containers Sample Matrix Laboratory Control 1 X X Glass Control Sample Matrix Laboratory Control X X Glass Control NONE Sample Matrix Laboratory Control X X Glass Control Nontrol Laboratory Control X X Qual X X Qual X X Val X | NIDEC MOTOR CORP Phone # 479 334 8741 Requested Analysis Immber: Titan # 2 Phone # 479 34 8888 Immber: Titan # 2 Phone # 479 34 8888 Immber: Titan # 2 Phone # 479 34 8888 Immber: Titan # 2 Phone # 479 34 8888 Immber: Titan # 2 Phone # 479 34 8888 Immber: Titan # 2 Phone # 479 34 8888 Immber: Titan # 2 Phone # 479 34 8888 Immber: Titan # 2 Phone # 479 34 8888 Immber: Titan # 2 Phone # 479 34 8888 Immber: Titan # 2 Phone # 479 34 8888 Immer: Date Phone # 479 34 8888 Immer: Date Phone # 479 34 8888 Immer: Date Phone # 479 34 8888 Immer: Immer: Phone # Phone # Immer: Glass Containeers Containeers Sample Matrix Immer: Immer: Immer: Immer: Immer: Immer: | | Date: | | | | | | d by: | shed | nquis | Reli | 12 | 02 | o: | T | /13 | ∷ 0/1 @ , | Date 10 | | | | | | | | 142 | quished by: | Relin |
| Image: Complexity of the served of the se | C MOTOR CORP Phone # 479 394 8741 Requested Analysis Time | $\left \right $ | | | | | | | ┝┽┽┼ | + + + | | | | | + + + + + + + + + + + + + + + + + + + | ┝┼┼╇ | | | | | | + + | | $\left + + + \right $ | | | | | |
| C MOTOR CORP Phone # 479 394 8741 Requested Analysis 1 Comp. Fax # 479 394 8888 P.O. # Fax # 479 394 8888 2 Grab Comp. Fax # 479 394 8888 P.O. # P.O. # 2 Grab Cont. type Pint Name: P.O. # P.O. # P.O. # 3 Glass Cont. type # of Method Preserved Sample Matrix Laboratory 4 H2SO4 NaOH HCL Ed NONE Karria Control 4 H2SO4 NaOH HCL Containers Soil Air Laboratory 4 H2SO4 NaOH HCL Control Control Number 4 H2SO4 NaOH HCL Control Control Control 4 H2SO4 NaOH HCL Control Control Number 4 H2SO4 NaOH HCL Control Control Control 4 H2SO4 NaOH HCL Control Control Number 4 H2SO4 H2 <td>Image: Norrow St. Mena, Ar 71953 Phone # 479 394 8741 Requested Analysis Time Comp. Fax # 479 394 8888 P.O. # P.O. #</td> <td></td> <td></td> <td></td> <td>×</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>×</td> <td></td> <td></td> <td>×</td> <td></td> <td></td> <td>×-</td> <td></td> <td>×</td> <td></td> <td></td> <td></td> <td></td> <td>10/10/13</td> <td>Waste water</td> <td></td> | Image: Norrow St. Mena, Ar 71953 Phone # 479 394 8741 Requested Analysis Time Comp. Fax # 479 394 8888 P.O. # | | | | × | | | | | | | | | × | | | × | | | ×- | | × | | | | | 10/10/13 | Waste water | |
| C MOTOR CORP Phone # 479 394 8741 Requested Analysis Viorrow St. Mena, Ar 71953 Fax # 479 394 8888 Pint Name: Pint Name: Comp. Grab Cont. type Pint Name: Edd Myers Time Cont. type # 0f Method Preserved Sample Matrix Vater Soil Pint Name: Control Vater Soil Soil Control Air Sludge Other Control Vater Soil Control Number TTO Metals Cyanide Vumber Number | Image: Complex | - | | | | × | | - | _ | _ | | | | × | - | | _ | × | | 4 | | × | - | | | | 10/10/13 | Waste water | |
| C MOTOR CORP Phone # 479 394 8741 Requested Analysis Morrow St. Mena, Ar 71953 Fax # 479 394 8888 A79 394 8888 2 P.O. # Image: Edd Myers Image: Edd Myers 2 Print Name : Edd Myers Image: Edd Myers 2 Image: Edd Myers Image: Edd Myers Image: Edd Myers | C MOTOR CORP Phone # 479 394 8741 Requested Analysis Morrow St. Mena, Ar 71953 Fax # 479 394 8888 Requested Analysis 2 Pint Name: Pint Name: Edd Myers Red life and life | | | | | | | | | outor | Sludge | | Soil | Mator | NONE | | NaOH | HNO3 | H2SO4 | | | Plastic C | | | | Tim | Date | Sample I.D. | |
| C MOTOR CORP Phone # 479 394 8741 Requested Analysis Morrow St. Mena, Ar 71953 Fax # 479 394 8888 479 394 8888 2 P.O. # Laboratory 2 Print Name : End Myers | C MOTOR CORP Phone # 479 394 8741 Requested Analysis Morrow St. Mena, Ar 71953 Fax # 479 394 8888 P.O. # 2 Print Name : Print Name : Edd Mvers | | NULLDEL | | | | | | 1 | | | | | | | | | | | | 3 | | | _ | - | | è | Lold mys | |
| C MOTOR CORP Phone # 479 394 8741 Requested Analysis Morrow St. Mena, Ar 71953 Fax # 479 394 8888 Image: Compare 10 and | C MOTOR CORP Phone # 479 394 8741 Requested Analysis Morrow St. Mena, Ar 71953 Fax # 479 394 8888 P.O. # 2 P.O. # P.O. # | | Control | | | | | lids | 12.771 | | | | | | | | PLC S | MVP | Edd | t Name : | Prin | | | | | | ure(s): | pling Personnel Signa | Sam |
| NIDEC MOTOR CORP Phone # 479 394 8741 500 N. Morrow St. Mena, Ar 71953 Fax # 479 394 8888 | IG (479) 649 NIDEC MOTOR CORP Phone # 479 394 8741 Requested Analysis NIDEC MOTOR CORP Fax # 479 394 8888 1 | - | _aboraton | | | | | | | | | | | | | | | | |), # | P.C | | - | | | | Titan # 2 | ect Name or Number: | Proj |
| NIDEC MOTOR CORP Phone # 479 394 8741 Fax # 479 394 8888 | Image: STING (479) 645 NIDEC MOTOR CORP Phone # 479 394 8741 Requested Analysis Fax # 479 394 8888 1 1 1 | | | | | | | | | | | | | | | | | | | | | 953 | Ar 71 | ena, | St. M | lorrow | 500 N. N | | 2 |
| NIDEC MOTOR CORP Phone # 479 394 8741 | STING (479) 649 NIDEC MOTOR CORP Phone # 479 394 8741 Requested Analysis | | | | | | | | | _ | | | | | | õ | 888 | 394 | 479 | * | Fay | | | | | | | ess: | Add |
| | ASTING (479) 649 | | | Sis | naly | ed A | ueste | Requ | | L | | | | | | 741 | 48 | 39 | 479 | one # | Ph | | RP | ĉ | TOR | MO | NIDEC | pany Name: | Con |
| | | O. E | P. mith, Arka | Ft. Si | | | | | | | | | | | | | | | | | | | | | | | INC | | |

Data Testing Inc. 3434 Country Club

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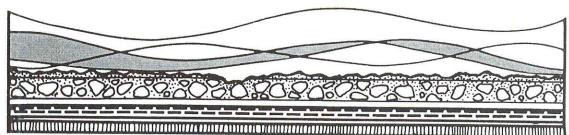
| DATA TESTING | | | | | | | | | | | | | | | | | | | | | - | 479 |) 649-8 | (479) 649-8378 Fax (479) 649-8486 | 79) 64: | 9-8486 |
|---------------------------------|----------------------------------|----------|-------|--------|------------|-------|--|-------------------|------------------|-------|-------|---------------|-------|--------|------------------------|----------------|---------------|---------|--------|--------------------|--------|---------|---------|-----------------------------------|---------|-----------|
| Company Name: | | MOTO | | קר | 0 | | Phone # | 479 | 479 394 8741 | 48 | 741 | | | | | | | | Requ | Requested Analysis | ed A | naly | /Sis | | | |
| Address: | | | | | | | Fax # | 479 | 479 394 8888 | 888 | 20 | | | | | | | _ | | - | | | | | | |
| 50 | 500 N. Morrow St. Mena, Ar 71953 | rrow St. | Mena | l, Ar | 71953 | | | | 0 | | 33 | | | | | | _ | | | | | | | | | |
| Project Name or Number: | Titan # 2 | | | | | | P.O. # | | | | | | | | | | | | | | | | | aborato | 2 | |
| Sampling Personnel Signature(s) | re(s): | | | | | | Print Name : | | | | | | | | | | | - | ; | | | | | Control | - | morke |
| Zel mars | 6 | | | | | | | Edd | Edd Myers | Irs | | | | | | | | | Solids | | | | | Number | | Nelliains |
| < | | | | _ | Cont. type | type | | Me | Method Preserved | d Pre | serv | ed | ŝ | Sample | | Matrix | | ia | | | | , | | | | |
| Sample I.D. | Date | Time | Comp. | Grab | Plastic | Glass | # or Containers | H2SO4 | HNO3 NaOH | HCL | ICE | NONE | Water | Soil | Air | Sludge | Other CBOD | Ammon | Suspen | Fecal C | TTO Me | Cyanide | | | | |
| Waste water 10 | 10/10/13 | | | × | × | | 1 | _ | _ | _ | _ | | - | - | _ | - | - | - | - | - | - | | | | + | |
| Waste water 10 | 10/10/13 | | | × | × | | 1 | | | × | | | × | | | | | | | | | × | | | | |
| | | | | | | | | | | - | | | | _ | _ | +- | - | | +- | - | | | | | - | |
| | | | | | | | | | | | | | | | | + $+$ $+$ | | + + + | | | | | | | | |
| Relinquished by: | 2 | | | | | | | Date: 10/10/13 |)/ 1 ()/ | 13 | Tin | Time: | P | Re | Relin | linquished by: | hed | by: | ł | ł | | Ì | | Date: | Date: | |
| Received by: | 16 | | | | | | | Date: IV | | 13 | Lin | Time: 4230 | ud c | | Received by | eivec | × P | | | | | | | Date: /0/14/1 | 3 Date: | . v |
| Relinguished by: | | | | | | | | Date: | | | Time: | le: | | | Received by Laboratory | Vec | Aq Aq | by Labo | orato | by: | 43 | | | Date: | P Date: | 302 |
| EP | A 200.7 | METHO | ğ | Meta | ls Cd, | Cr, C | EPA 200.7 METHOD Metals Cd, Cr, Cu, Pb, Ni, Ag, Zn, and CN | ∖g, Zi | n, an | d CN | 2 | | i. | | | | | | • | | 0 | | | | | 4 |

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INC.

Data Testing Inc. 3434 Country Club P.O. Box 1507 Ft. Smith, Arkansas 72902





November 15, 2013

Type of Analysis:

| FOR: | Nidec Motor Corp |
|------|----------------------|
| | 500 N. Morrow Street |
| | Mena, Arkansas 71953 |

Titan # 2 Retest

| Date Sample Time Sample Sample Colle Sample #: | Collected: | November 6, 2 Nidec Motor (| | | Date Sample Ro Time Sample R Sample Receive Sample Temper | eceived: ed By: | November 7, 4:30pm C Peterson | , 2013 |
|---|-------------------------|--------------------------------|--------|-----|--|--------------------|-------------------------------------|-----------------|
| Parameter | Method <u>Number</u> | Date & 7 Analyz | | By | Reported* <u>Value</u> | MDL mg/Kg | % <u>Recovery</u> | % <u>RDP</u> |
| Zinc * | EPA 200.7 | 11/13/2013 | 4:35pm | AIP | 3.2 | 0.002 | 97.7 | 0.282 |

* Sample Analyzed by American Interplex

Reviewed By:

Dolore Shelby

*All results reported in mg/l unless otherwise indicated.

Method: 18th, 19th, 20th Edition of "Standard Methods for the Examination of Water & Wastewater" EPA Regulations, 40 CFR, Part 136

Quality control measures such as blanks, spikes & duplicates are performed daily on at least 10% of all sample. Equipment maintenance & calibration is also performed daily under the guidelines of the USEPA."

3434 COUNTRY CLUB • FORT SMITH, AR 72903 • (479) 649-8378

Exley, Aaron [NMCA-MEN]

From: Sent: To: Subject: Data Testing <water@mwc-engr.com> Tuesday, November 19, 2013 3:32 PM Exley, Aaron [NMCA-MEN] 11-6_Titan 2 Retest

November 15, 2013

FOR: Nidec Motor Corp 500 N. Morrow Street Mena, Arkansas 71953

Type of Analysis: Titan # 2 Retest

| Date Sample Time Sample Sample Colle | e Collected: | November 6, 2 Nidec Motor (| | | Date Sample R Time Sample R Sample Receive | Received: | November 7 4:30pm C Peterson | , 2013 |
|--|-------------------------|--------------------------------|--------|-----------|--|---------------------|------------------------------------|-----------------|
| Sample #: | 20136833 | | | | Sample Temper | rature: | | |
| Parameter | Method <u>Number</u> | Date & T Analyz | | <u>By</u> | Reported* <u>Value</u> | MDL <u>mg/Kg</u> | % <u>Recovery</u> | % <u>RDP</u> |
| Zinc * | EPA 200.7 | 11/13/2013 | 4:35pm | AIP | 3.2 | 0.002 | 97.7 | 0.282 |

* Sample Analyzed by American Interplex

Reviewed By:

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Quality control measures such as blanks, spikes & duplicates are performed daily on at least 10% of all sample. Equipment maintenance & calibration is also performed daily under the guidelines of the USEPA."

all sample. Equipment maintenance & calibration is also performed daily under the guidelines of the USEPA."

| | | | Requested Analysis | |
|----------------------------------|-----------------------------|---|---|---------|
| Company Name: | NIDEC MOTOR CORP | * | | |
| Address: | 1953 | Fax # 479 394 8888 | | |
| | | P.O. # | aboratory | |
| Project Name or Number: | Titan # 2 Retest | | S Control | Remarks |
| Sampling Personnel Signature(s): | nature(s): | Print Name : Edd Myers | rm | |
| | | Method Preserved Sample Matrix | ided Colifc etals | |
| Sample I.D. | Date Time omp. rab | Containers 12SO4 1NO3 1aOH 1CL CE NONE Noter Soil Air Soil Air Soludge Other | CBOD Ammon Susper Fecal (TTO M Cyanic Zinc | |
| | < (((| | x | |
| Vvaste water | | | | |
| | | | | |
| | | | | Doto: |
| Relinquished by: | has Edd Myers | Date: Time: Relinquis | ned by: | |
| Received by: O N N | 1 | 11/ | N= Smith 11-1-3 | 11-6-1 |
| A look. | and long current | Date: Time: Reće | by Laboratory: | Date |
| | | | | 1:50 |

(479) 649-8378 Fax (479) 649-8486

Data Testing Inc. 3434 Country Club P.O. Box 1507 Ft. Smith, Arkansas 72902

DATA TESTING