



# GREASE ANALYSIS

Sample Rating Trend

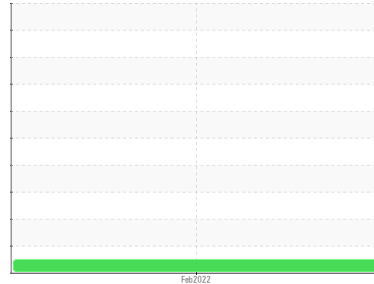
**NORMAL**



Area  
**DAKOTA RANGE III [200006928]**

Machine Id  
**17WEA87745 - C-06**

Component  
**Grease**  
Fluid  
**MOBIL SHC GREASE 460 WT (--- LTR)**



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Grease Condition

The condition of the greases additive package is suitable for further service.

### Contaminants

Insufficient sample was received to conduct all the routine laboratory tests. There is no indication of any contamination in the grease.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>NX05576092</b>	---	---
Sample Date	Client Info	<b>02 Feb 2022</b>	---	---
Machine Age	hrs Client Info	<b>5614</b>	---	---
Grease Age	hrs Client Info	<b>0</b>	---	---
Grease Serviced	Client Info	<b>N/A</b>	---	---
Sample Status		<b>NORMAL</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>250	<b>190</b>	---	---
Chromium ppm ASTM D5185m	>10	<b>2</b>	---	---
Nickel ppm ASTM D5185m	>5	<b>&lt;1</b>	---	---
Cadmium ppm ASTM D5185m		<b>0</b>	---	---
Titanium ppm ASTM D5185m		<b>&lt;1</b>	---	---
Vanadium ppm ASTM D5185m		<b>0</b>	---	---
Lead ppm ASTM D5185m	>25	<b>1</b>	---	---
Copper ppm ASTM D5185m	>75	<b>13</b>	---	---
Tin ppm ASTM D5185m	>5	<b>&lt;1</b>	---	---
Silver ppm ASTM D5185m	>5	<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m		<b>98</b>	---	---
Magnesium ppm ASTM D5185m		<b>1</b>	---	---
Manganese ppm ASTM D5185m		<b>6</b>	---	---
Molybdenum ppm ASTM D5185m		<b>113</b>	---	---
Phosphorus ppm ASTM D5185m		<b>27</b>	---	---
Zinc ppm ASTM D5185m		<b>56</b>	---	---

## THICKENER/SOAP

method	limit/base	current	history1	history2
Aluminum ppm ASTM D5185m		<b>2</b>	---	---
Barium ppm ASTM D5185m		<b>2</b>	---	---
Calcium ppm ASTM D5185m		<b>15</b>	---	---
Sodium ppm ASTM D5185m		<b>18</b>	---	---
Lithium ppm ASTM D5185m		<b>2918</b>	---	---
Sulfur ppm ASTM D5185m		<b>3028</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>150	<b>25</b>	---	---
Potassium ppm ASTM D5185m		<b>1</b>	---	---

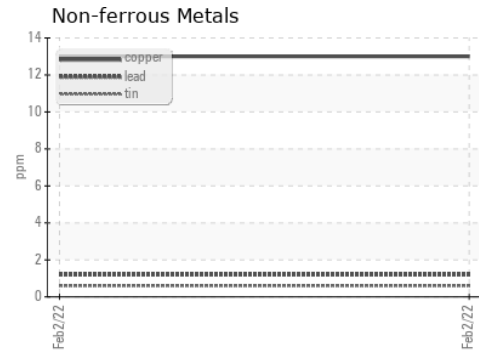
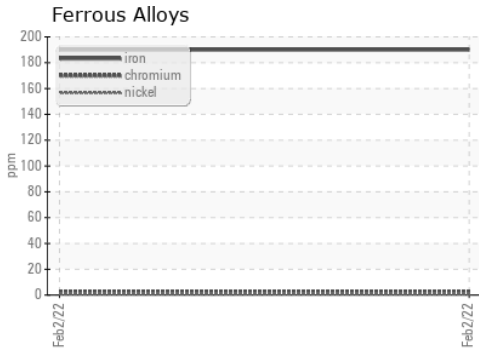
## GREASE CONDITION

method	limit/base	current	history1	history2
Grease Color *Visual	Red	<b>Red</b>	---	---
Texture *In-house		<b>Buttery</b>	---	---
NLGI Consistency NLGI Scale *SKF Method	1.5	<b>1-2</b>	---	---

# GREASE ANALYSIS

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image
PrtFilter			no image	no image	no image

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : NX05576092    **Received** : 23 Jun 2022  
**Lab Number** : **05576092**    **Diagnosed** : 05 Jul 2022  
**Unique Number** : 10025509    **Diagnostician** : Doug Bogart  
**Test Package** : GRS 1 ( Additional Tests: KV40, SCREEN )

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

**NORDEX USA - Chicago**  
 300 SOUTH WACKER DRIVE, SUITE 1500  
 CHICAGO, IL  
 US 60606

Contact: DEVIN LINEHAN  
 DLinehan@nordex-online.com

T: (312)386-4124  
 F: (312)386-7102