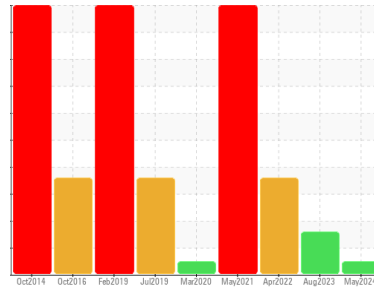




# GREASE ANALYSIS

Sample Rating Trend



**NORMAL**



Machine Id  
**TURBINA 07 - FRONT BEARING**  
 Component  
**Grease**  
 Fluid  
**KLUBER KLUBERPLEX BEM 41-141 (--- LTR)**

## DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Grease Condition

The condition of the grease is acceptable for the time in service.

### Contaminants

There is no indication of any contamination in the grease.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0881133</b>	WC0831532	WC05582756
Sample Date	Client Info		<b>06 May 2024</b>	11 Aug 2023	04 Apr 2022
Machine Age	yrs	Client Info	<b>12</b>	11	6
Grease Age	yrs	Client Info	<b>1</b>	1	0
Grease Serviced	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>NORMAL</b>	ABNORMAL	ABNORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2	
PQ	ASTM D8184	>200	<b>276</b>	326	▲ 7420	
Iron	ppm	ASTM D5185m	>250	<b>608</b>	707	▲ 3705
Chromium	ppm	ASTM D5185m	>10	<b>97</b>	128	▲ 123
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	1
Vanadium	ppm	ASTM D5185m		<b>1</b>	<1	<1
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>75	<b>14</b>	17	34
Tin	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	<1

## ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		<b>190</b>	190	209
Magnesium	ppm	ASTM D5185m		<b>0</b>	2	2
Manganese	ppm	ASTM D5185m		<b>8</b>	9	26
Molybdenum	ppm	ASTM D5185m		<b>2836</b>	2936	2173
Phosphorus	ppm	ASTM D5185m		<b>618</b>	525	357
Zinc	ppm	ASTM D5185m		<b>222</b>	387	164
Antimony	ppm	ASTM D5185m		<b>---</b>	---	---

## THICKENER/SOAP

	method	limit/base	current	history1	history2	
Aluminum	ppm	ASTM D5185m		<b>0</b>	0	8
Barium	ppm	ASTM D5185m		<b>11</b>	9	5
Calcium	ppm	ASTM D5185m		<b>81</b>	104	121
Sodium	ppm	ASTM D5185m		<b>28</b>	34	18
Lithium	ppm	ASTM D5185m		<b>2471</b>	2820	2070
Sulfur	ppm	ASTM D5185m		<b>5531</b>	5647	6177

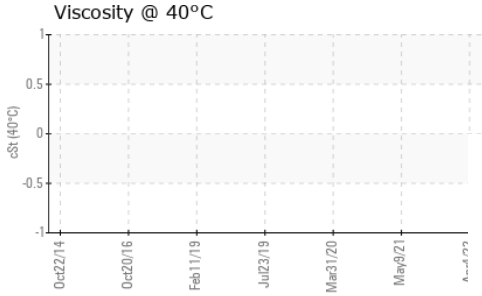
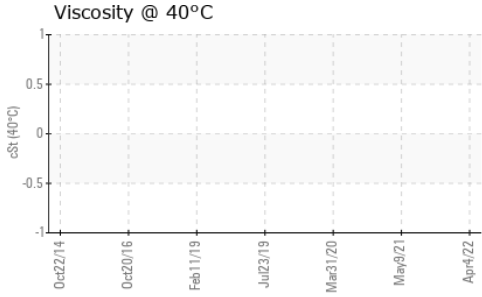
## CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>150	<b>330</b>	▲ 723	95
Potassium	ppm	ASTM D5185m		<b>6</b>	3	2

## GREASE CONDITION

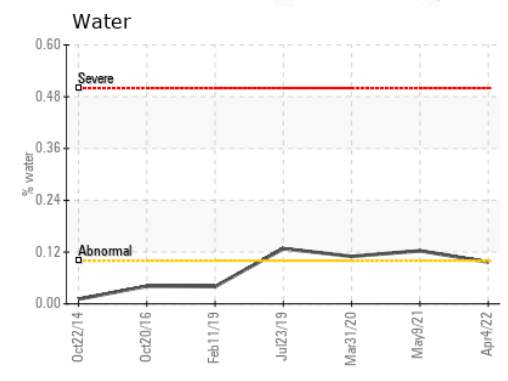
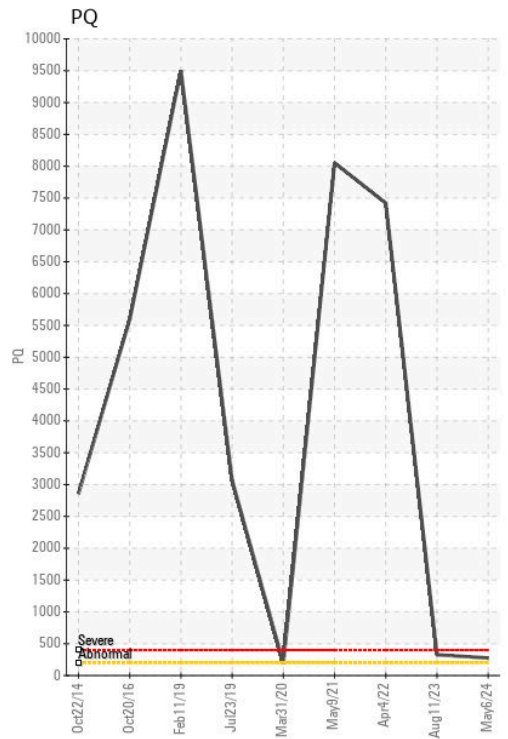
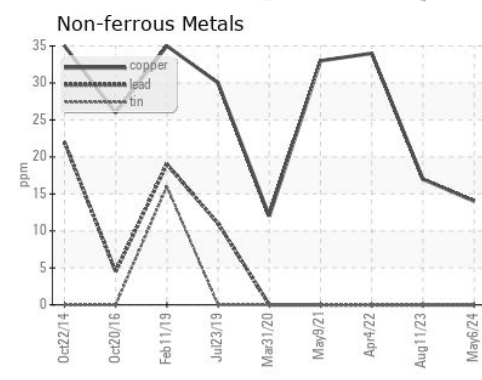
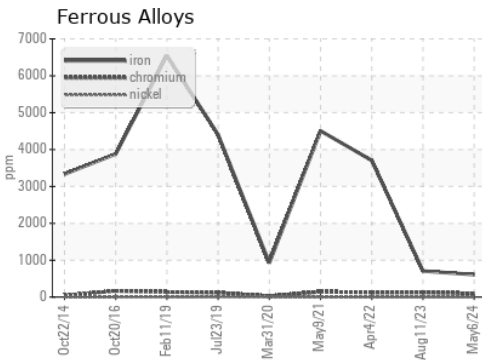
	method	limit/base	current	history1	history2
Grease Color	*Visual	yellow	<b>Brown</b>	---	---
Texture	*In-house		<b>Buttery</b>	---	---
NLGI Consistency	NLGI Scale *SKF Method	1	<b>00-0</b>	---	---

# GREASE ANALYSIS



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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0881133      **Received** : 29 May 2024  
**Lab Number** : 06194896      **Tested** : 13 Jun 2024  
**Unique Number** : 11057019      **Diagnosed** : 13 Jun 2024 - Doug Bogart  
**Test Package** : GRS 1 ( Additional Tests: KV40, SCREEN )

**EOLO DE NICARAGUA S.A.**  
 DEL SEMAFORO DEL CLUB TERRAZA, 1 CUADRA AL SUR  
 MANAGUA, ZZ  
 NI  
 Contact: Rafael Bermudez

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)

T:  
F: