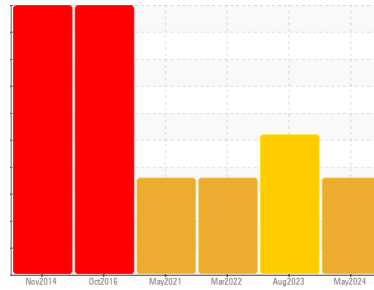




# GREASE ANALYSIS

Sample Rating Trend



WEAR



Machine Id  
**TURBINA 13 - FRONT BEARING (S/N 101311)**  
 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 appear stable.

### 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>WC06194926</b>	WC0419929	WC05582752
Sample Date	Client Info		<b>09 May 2024</b>	15 Aug 2023	29 Mar 2022
Machine Age	mths	Client Info	<b>36</b>	48	6
Grease Age	mths	Client Info	<b>6</b>	6	0
Grease Serviced	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>MARGINAL</b>	ABNORMAL	MARGINAL

## 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>▲ 4438</b>	▲ 2735	▲ 1912
Iron	ppm	ASTM D5185m	>250	<b>▲ 1857</b>	▲ 1214
Chromium	ppm	ASTM D5185m	>10	<b>▲ 67</b>	▲ 71
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	<1
Titanium	ppm	ASTM D5185m		<b>2</b>	2
Vanadium	ppm	ASTM D5185m		<b>2</b>	1
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	<1
Copper	ppm	ASTM D5185m	>75	<b>57</b>	58
Tin	ppm	ASTM D5185m	>5	<b>0</b>	0
Silver	ppm	ASTM D5185m	>5	<b>0</b>	<1

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>186</b>	192
Magnesium	ppm	ASTM D5185m		<b>0</b>	0
Manganese	ppm	ASTM D5185m		<b>17</b>	14
Molybdenum	ppm	ASTM D5185m		<b>5160</b>	5289
Phosphorus	ppm	ASTM D5185m		<b>1130</b>	1105
Zinc	ppm	ASTM D5185m		<b>290</b>	182
Antimony	ppm	ASTM D5185m		<b>---</b>	---

## THICKENER/SOAP

	method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m		<b>0</b>	0
Barium	ppm	ASTM D5185m		<b>24</b>	25
Calcium	ppm	ASTM D5185m		<b>15</b>	13
Sodium	ppm	ASTM D5185m		<b>22</b>	18
Lithium	ppm	ASTM D5185m		<b>3480</b>	3660
Sulfur	ppm	ASTM D5185m		<b>5351</b>	5700

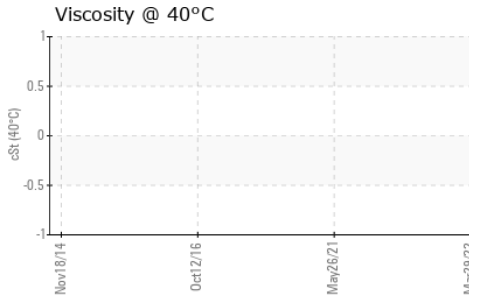
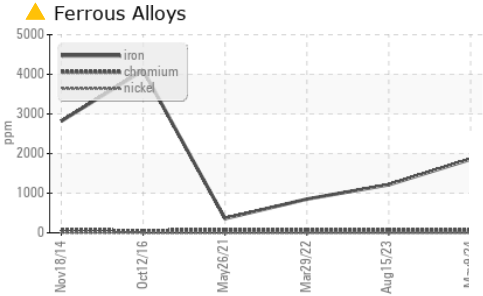
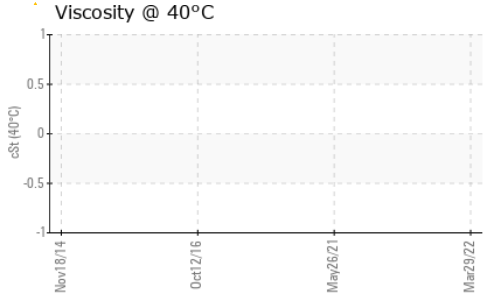
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>150	<b>▲ 161</b>	▲ 477
Potassium	ppm	ASTM D5185m		<b>5</b>	2

## GREASE CONDITION

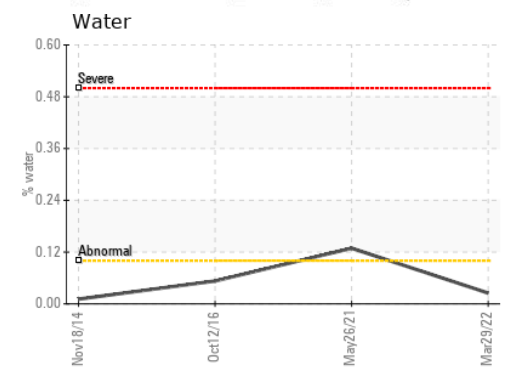
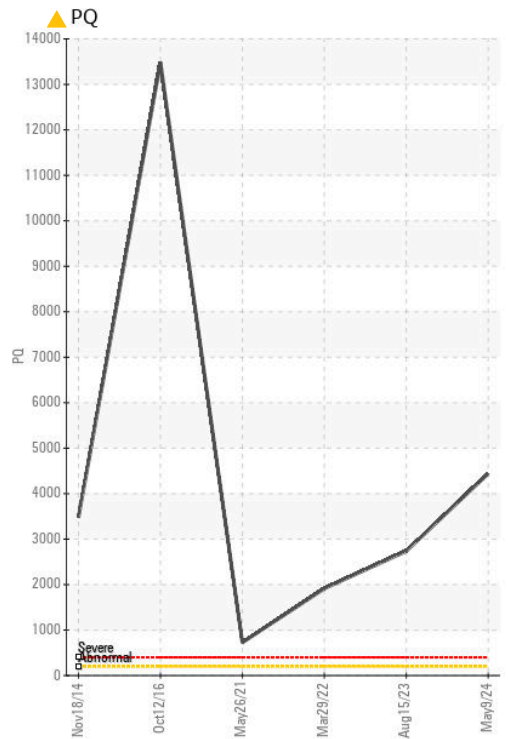
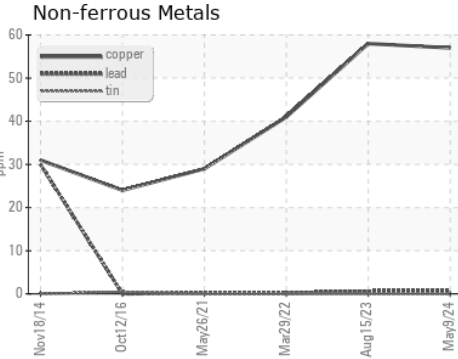
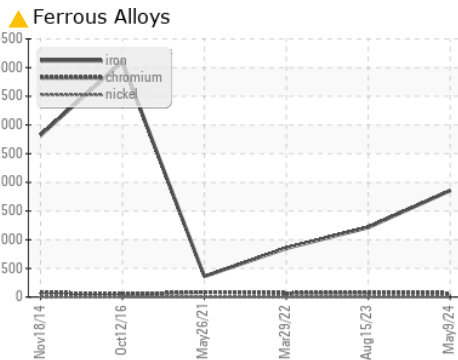
	method	limit/base	current	history1	history2
Grease Color	*Visual	yellow	<b>Brown</b>	---	---
Texture	*In-house		<b>Short fiber</b>	---	---
NLGI Consistency	NLGI Scale	*SKF Method	1	<b>0-1</b>	---

# 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.** : WC06194926      **Received** : 29 May 2024  
**Lab Number** : 06194926      **Tested** : 13 Jun 2024  
**Unique Number** : 11057049      **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: