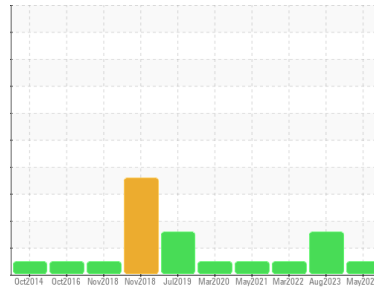




# GREASE ANALYSIS

Sample Rating Trend



**NORMAL**



Machine Id  
**TURBINA 12 - REAR 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>WC0881123</b>	WC0505284	WC05582742
Sample Date	Client Info		<b>08 May 2024</b>	08 Aug 2023	29 Mar 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	NORMAL

## 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>185</b>	81	74	
Iron	ppm	ASTM D5185m	>250	<b>534</b>	429	536
Chromium	ppm	ASTM D5185m	>10	<b>80</b>	16	13
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>1</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>2</b>	1	<1
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>75	<b>18</b>	17	14
Tin	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>5	<b>0</b>	<1	<1

## ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		<b>217</b>	185	185
Magnesium	ppm	ASTM D5185m		<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>6</b>	4	6
Molybdenum	ppm	ASTM D5185m		<b>3968</b>	3205	1779
Phosphorus	ppm	ASTM D5185m		<b>751</b>	593	415
Zinc	ppm	ASTM D5185m		<b>287</b>	233	125
Antimony	ppm	ASTM D5185m		<b>---</b>	---	---

## THICKENER/SOAP

	method	limit/base	current	history1	history2	
Aluminum	ppm	ASTM D5185m		<b>0</b>	0	6
Barium	ppm	ASTM D5185m		<b>12</b>	9	7
Calcium	ppm	ASTM D5185m		<b>119</b>	80	129
Sodium	ppm	ASTM D5185m		<b>38</b>	26	13
Lithium	ppm	ASTM D5185m		<b>3097</b>	2903	1807
Sulfur	ppm	ASTM D5185m		<b>6290</b>	5498	5356

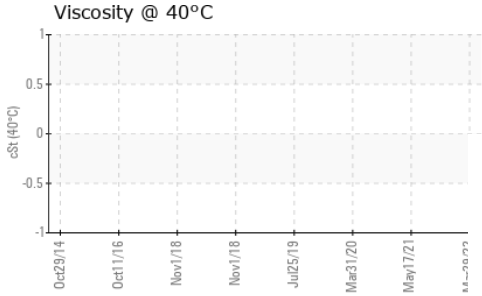
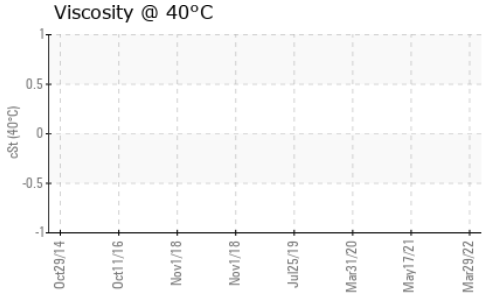
## CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>150	<b>295</b>	▲ 415	32
Potassium	ppm	ASTM D5185m		<b>6</b>	2	2

## GREASE CONDITION

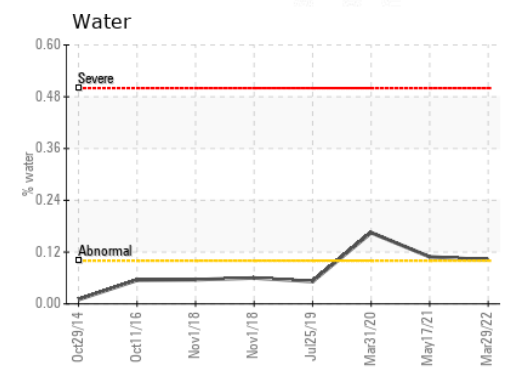
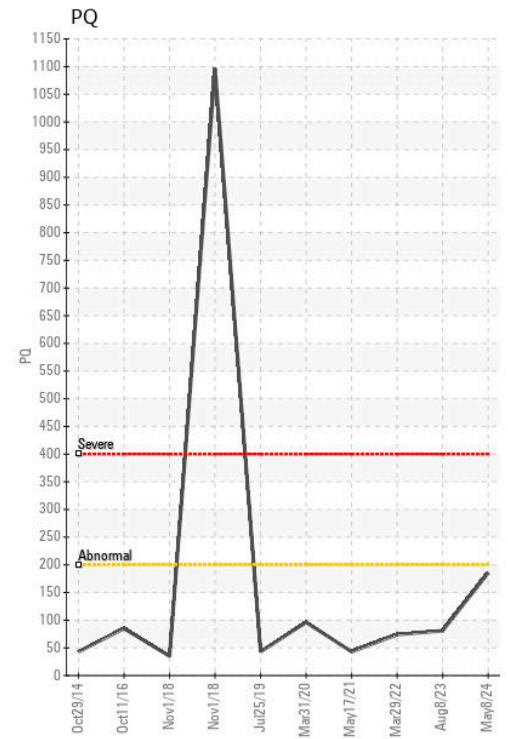
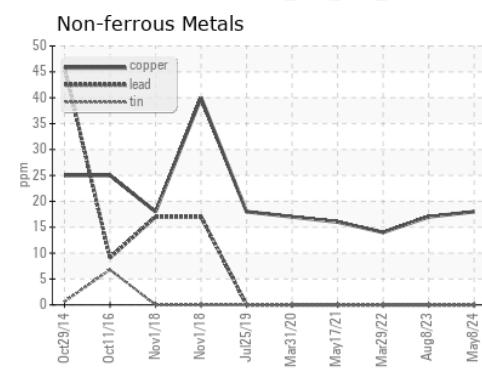
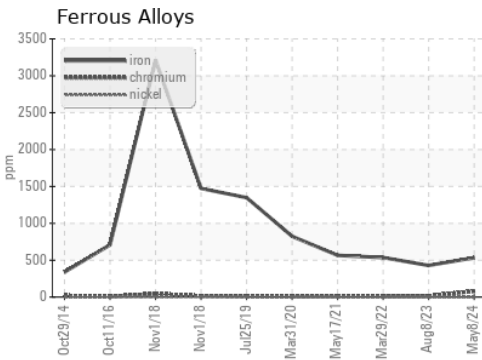
	method	limit/base	current	history1	history2
Grease Color	*Visual	yellow	<b>Yellow</b>	---	---
Texture	*In-house		<b>Short fiber</b>	---	---
NLGI Consistency	NLGI Scale *SKF Method	1	<b>00-0</b>	---	---

# 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.** : WC0881123      **Received** : 29 May 2024  
**Lab Number** : 06194901      **Tested** : 13 Jun 2024  
**Unique Number** : 11057024      **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: