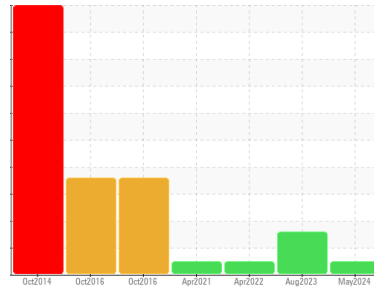




# GREASE ANALYSIS

Sample Rating Trend



**NORMAL**



Machine Id  
**TURBINA 16 - REAR BEARING (S/N 101170)**  
 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>WC06194905</b>	WC0831510	WC05582745
Sample Date	Client Info		<b>13 May 2024</b>	09 Aug 2023	11 Apr 2022
Machine Age	mths	Client Info	<b>54</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>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>204</b>	233	174	
Iron	ppm	ASTM D5185m	>250	<b>415</b>	285	99
Chromium	ppm	ASTM D5185m	>10	<b>8</b>	3	4
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	<1	0
Copper	ppm	ASTM D5185m	>75	<b>79</b>	77	42
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>104</b>	104	77
Magnesium	ppm	ASTM D5185m		<b>1</b>	1	<1
Manganese	ppm	ASTM D5185m		<b>9</b>	7	2
Molybdenum	ppm	ASTM D5185m		<b>2094</b>	2105	1213
Phosphorus	ppm	ASTM D5185m		<b>938</b>	948	875
Zinc	ppm	ASTM D5185m		<b>160</b>	98	29
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>8</b>	7	5
Calcium	ppm	ASTM D5185m		<b>8</b>	7	7
Sodium	ppm	ASTM D5185m		<b>90</b>	83	27
Lithium	ppm	ASTM D5185m		<b>2505</b>	2873	2444
Sulfur	ppm	ASTM D5185m		<b>3054</b>	3108	2246

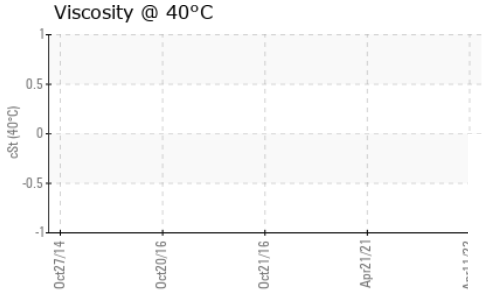
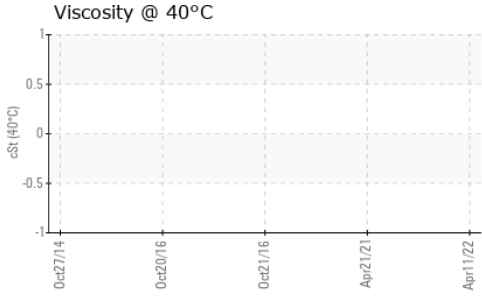
## CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>150	<b>280</b>	▲ 733	19
Potassium	ppm	ASTM D5185m		<b>7</b>	3	3

## GREASE CONDITION

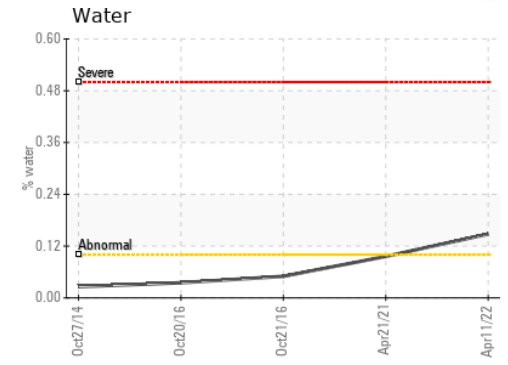
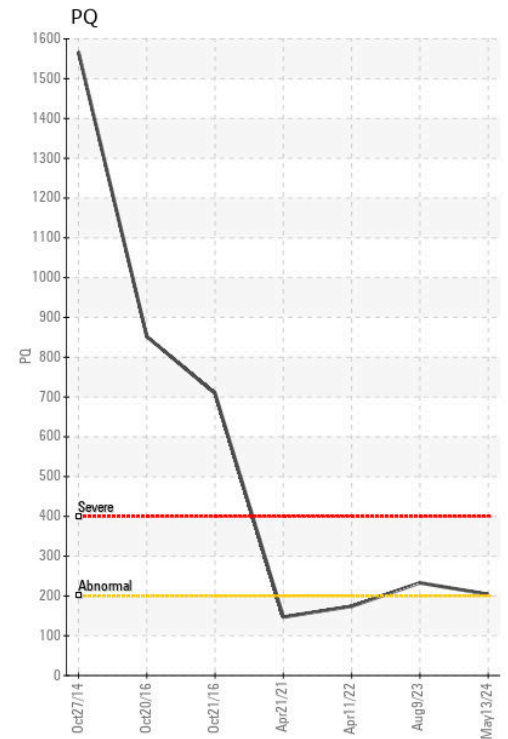
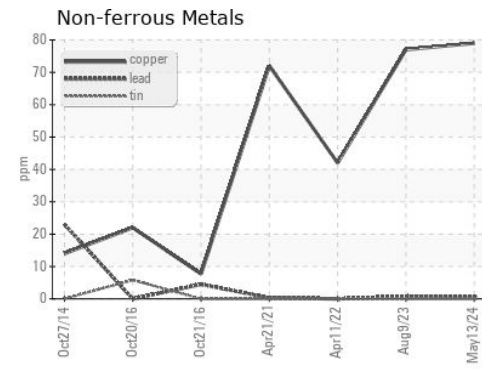
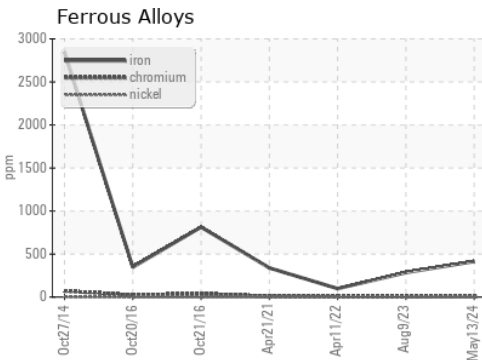
	method	limit/base	current	history1	history2
Grease Color	*Visual	yellow	<b>Yellow</b>	---	---
Texture	*In-house		<b>Buttery</b>	---	---
NLGI Consistency	NLGI Scale *SKF Method	1	<b>1-2</b>	---	---

# 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.** : WC06194905      **Received** : 29 May 2024  
**Lab Number** : 06194905      **Tested** : 13 Jun 2024  
**Unique Number** : 11057028      **Diagnosed** : 13 Jun 2024 - Doug Bogart  
**Test Package** : GRS 1 ( Additional Tests: KV40, SCREEN )

**EOLLO 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: