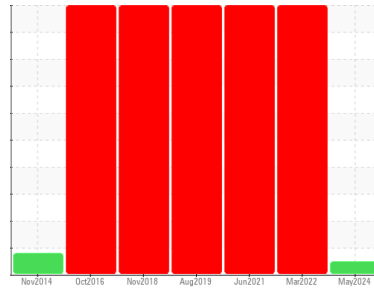




GREASE ANALYSIS

Sample Rating Trend



NORMAL



Machine Id
TURBINA 21 - FRONT BEARING (S/N 101307)
 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		WC06194910	WC05582738	WC05279452
Sample Date	Client Info		13 May 2024	31 Mar 2022	02 Jun 2021
Machine Age	mths	Client Info	6	6	18
Grease Age	mths	Client Info	6	0	0
Grease Serviced	Client Info		N/A	N/A	N/A
Sample Status			NORMAL	SEVERE	SEVERE

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2	
PQ	ASTM D8184	>200	141	▲ 11959	▲ 13128	
Iron	ppm	ASTM D5185m	>250	66	▲ 7189	▲ 7291
Chromium	ppm	ASTM D5185m	>10	2	▲ 156	▲ 114
Nickel	ppm	ASTM D5185m	>5	0	<1	3
Cadmium	ppm	ASTM D5185m		1	0	0
Titanium	ppm	ASTM D5185m		0	1	1
Vanadium	ppm	ASTM D5185m		1	1	<1
Lead	ppm	ASTM D5185m	>25	2	0	0
Copper	ppm	ASTM D5185m	>75	26	▲ 267	▲ 249
Tin	ppm	ASTM D5185m	>5	0	0	<1
Silver	ppm	ASTM D5185m	>5	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		133	223	199
Magnesium	ppm	ASTM D5185m		0	3	5
Manganese	ppm	ASTM D5185m		<1	53	49
Molybdenum	ppm	ASTM D5185m		3638	2635	1436
Phosphorus	ppm	ASTM D5185m		957	482	284
Zinc	ppm	ASTM D5185m		201	393	342
Antimony	ppm	ASTM D5185m		---	---	3

THICKENER/SOAP

	method	limit/base	current	history1	history2	
Aluminum	ppm	ASTM D5185m		0	13	16
Barium	ppm	ASTM D5185m		13	7	7
Calcium	ppm	ASTM D5185m		25	172	173
Sodium	ppm	ASTM D5185m		21	19	17
Lithium	ppm	ASTM D5185m		3134	2396	1580
Sulfur	ppm	ASTM D5185m		3881	6459	5915

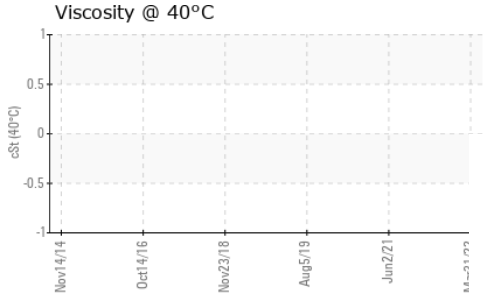
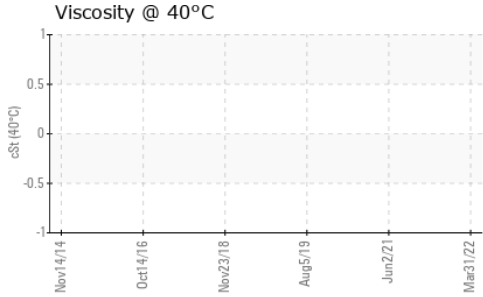
CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>150	258	▲ 157	148
Potassium	ppm	ASTM D5185m		4	3	3

GREASE CONDITION

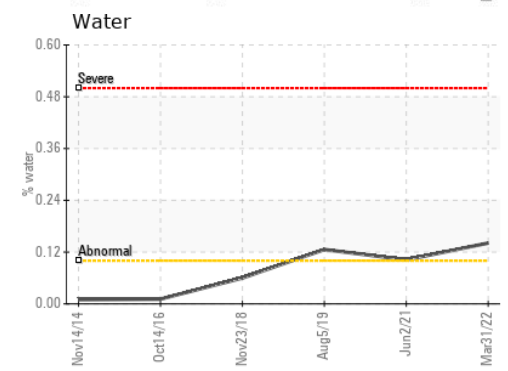
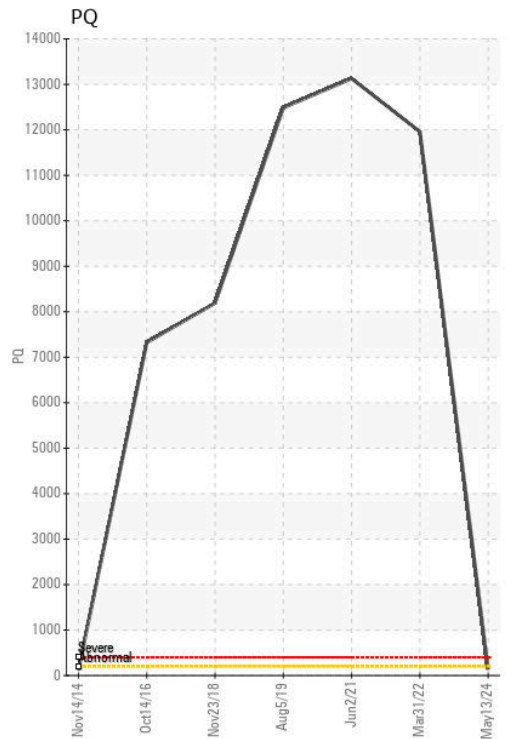
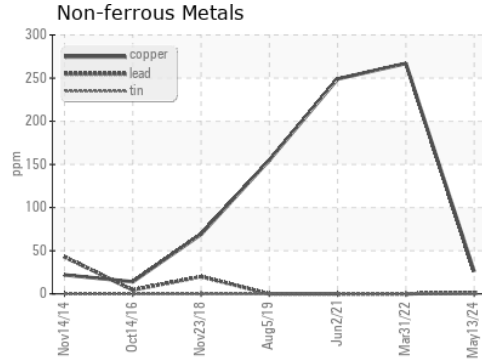
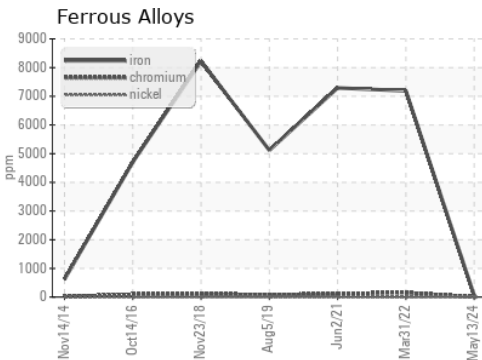
	method	limit/base	current	history1	history2
Grease Color	*Visual	yellow	Yellow	---	---
Texture	*In-house		Buttery	---	---
NLGI Consistency	NLGI Scale *SKF Method	1	1-2	---	---

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. : WC06194910 **Received** : 29 May 2024
Lab Number : 06194910 **Tested** : 13 Jun 2024
Unique Number : 11057033 **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: