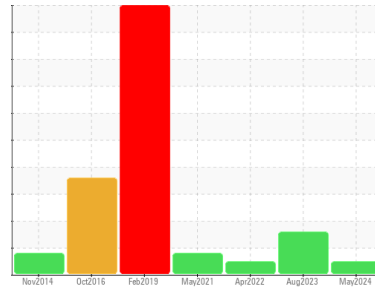




GREASE ANALYSIS

Sample Rating Trend



NORMAL



Machine Id
TURBINA 17 - REAR BEARING (S/N 101068)
 Component
Grease
 Fluid
KLUBER KLUBERPLEX BEM 41-141 (--- LTR)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time.

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			WC0881153	WC0505280	WC05582759
Sample Date	Client Info			04 May 2024	22 Aug 2023	03 Apr 2022
Machine Age	yrs	Client Info		5	11	6
Grease Age	yrs	Client Info		1	1	0
Grease Serviced	Client Info			N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL

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	71	109	68
Iron	ppm	ASTM D5185m	>250	108	258	102
Chromium	ppm	ASTM D5185m	>10	41	124	51
Nickel	ppm	ASTM D5185m	>5	0	0	0
Cadmium	ppm	ASTM D5185m		<1	1	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	1	<1
Lead	ppm	ASTM D5185m	>25	<1	<1	0
Copper	ppm	ASTM D5185m	>75	50	60	28
Tin	ppm	ASTM D5185m	>5	0	0	0
Silver	ppm	ASTM D5185m	>5	0	<1	<1

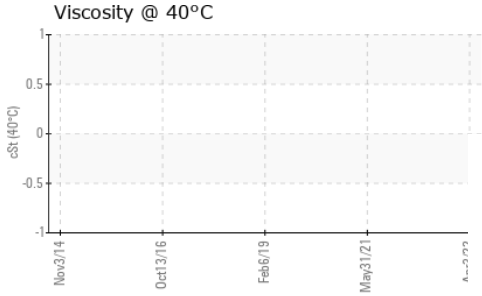
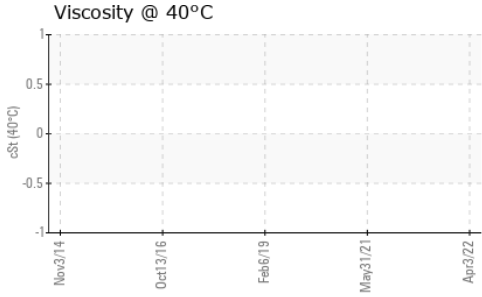
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		109	162	107
Magnesium	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		3	8	4
Molybdenum	ppm	ASTM D5185m		1918	4153	2606
Phosphorus	ppm	ASTM D5185m		1185	1122	824
Zinc	ppm	ASTM D5185m		125	144	44
Antimony	ppm	ASTM D5185m		---	---	---



THICKENER/SOAP		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m		0	0	12
Barium	ppm	ASTM D5185m		5	12	6
Calcium	ppm	ASTM D5185m		8	19	16
Sodium	ppm	ASTM D5185m		22	33	15
Lithium	ppm	ASTM D5185m		2238	3266	2472
Sulfur	ppm	ASTM D5185m		3265	4805	3190

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>150	371	▲ 748	46
Potassium	ppm	ASTM D5185m		1	1	<1

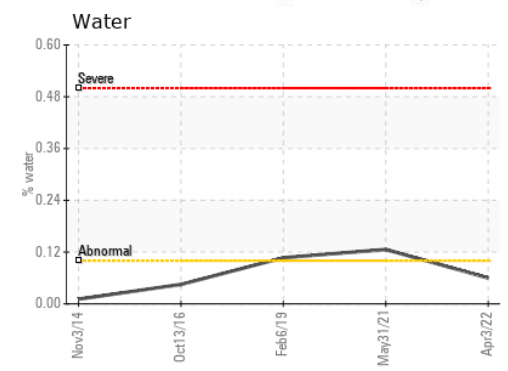
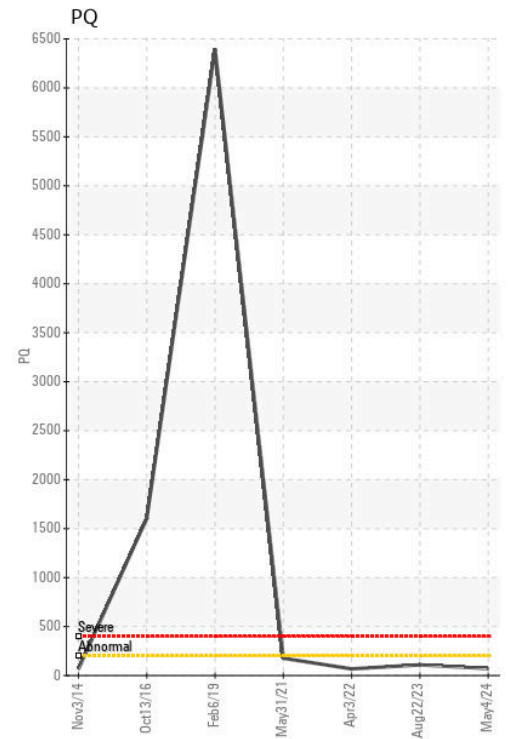
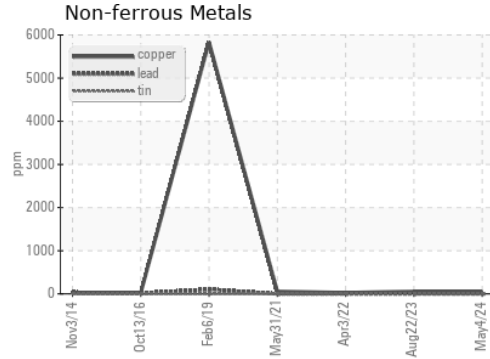
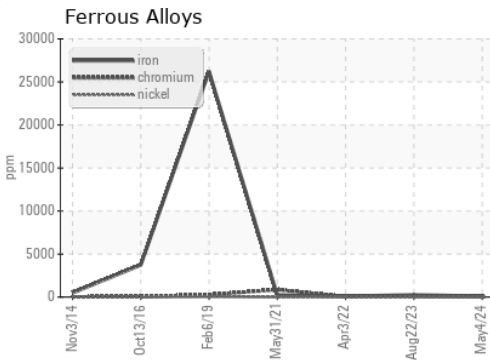
GREASE CONDITION		method	limit/base	current	history1	history2
Grease Color		*Visual	yellow	Yellow	---	---
Texture		*In-house		Short fiber	---	---
NLGI Consistency	NLGI Scale	*SKF Method	1	0-1	---	---

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. : WC0881153 **Received** : 29 May 2024
Lab Number : 06194919 **Tested** : 21 Jun 2024
Unique Number : 11057042 **Diagnosed** : 21 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: