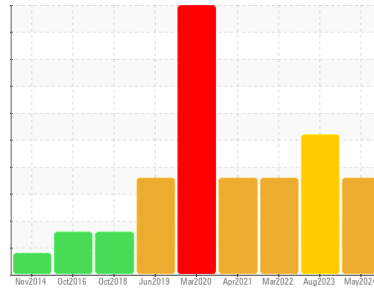




GREASE ANALYSIS

Sample Rating Trend



WEAR



Machine Id
TURBINA 02 - FRONT BEARING (S/N 101184)
 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		WC0881136	WC0831516	WC05582729
Sample Date	Client Info		06 May 2024	12 Aug 2023	31 Mar 2022
Machine Age	yrs	Client Info	12	11	6
Grease Age	yrs	Client Info	1	1	0
Grease Serviced	Client Info		N/A	N/A	N/A
Sample Status			MARGINAL	ABNORMAL	MARGINAL

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	▲ 5272	▲ 5715	▲ 5785
Iron	ppm	ASTM D5185m	>250	▲ 3444	▲ 2428
Chromium	ppm	ASTM D5185m	>10	▲ 388	▲ 215
Nickel	ppm	ASTM D5185m	>5	0	0
Cadmium	ppm	ASTM D5185m		0	0
Titanium	ppm	ASTM D5185m		1	<1
Vanadium	ppm	ASTM D5185m		2	1
Lead	ppm	ASTM D5185m	>25	0	0
Copper	ppm	ASTM D5185m	>75	31	30
Tin	ppm	ASTM D5185m	>5	0	0
Silver	ppm	ASTM D5185m	>5	0	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		245	207
Magnesium	ppm	ASTM D5185m		0	0
Manganese	ppm	ASTM D5185m		26	16
Molybdenum	ppm	ASTM D5185m		4787	2993
Phosphorus	ppm	ASTM D5185m		651	511
Zinc	ppm	ASTM D5185m		393	189
Antimony	ppm	ASTM D5185m		---	---

THICKENER/SOAP

	method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m		0	0
Barium	ppm	ASTM D5185m		13	9
Calcium	ppm	ASTM D5185m		172	117
Sodium	ppm	ASTM D5185m		38	24
Lithium	ppm	ASTM D5185m		3598	2650
Sulfur	ppm	ASTM D5185m		7077	6129

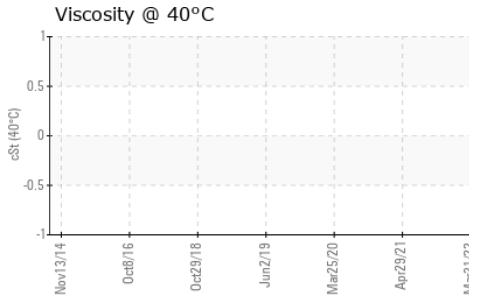
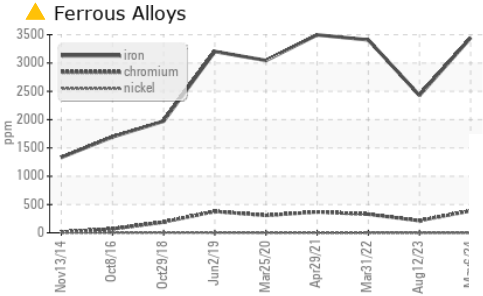
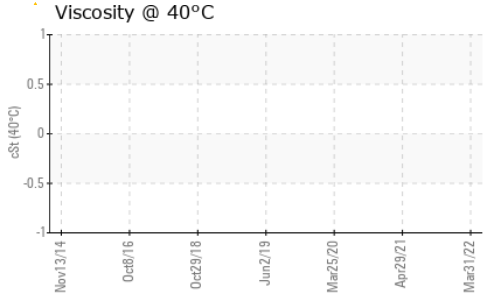
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>150	328	▲ 871
Potassium	ppm	ASTM D5185m		7	3

GREASE CONDITION

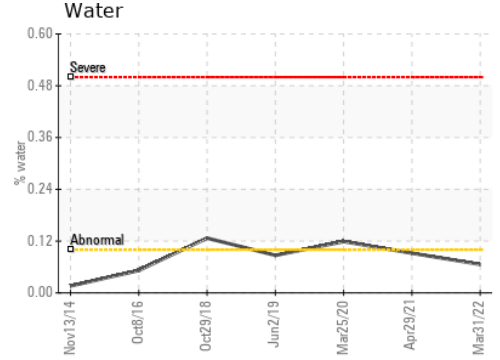
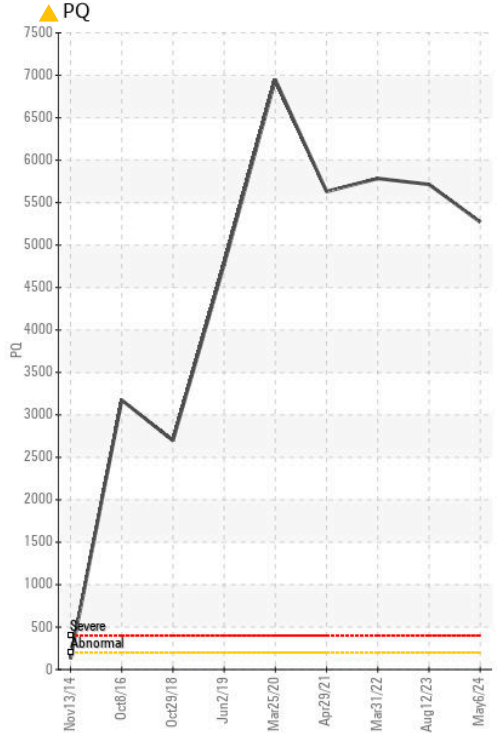
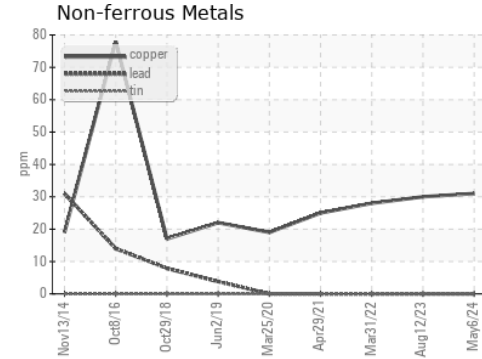
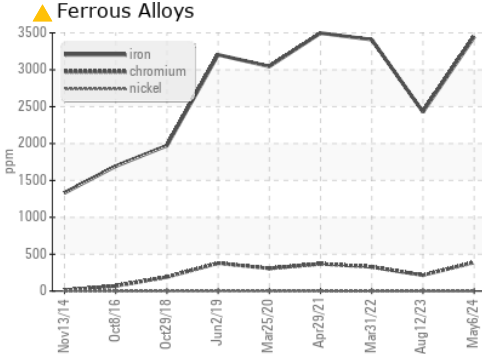
	method	limit/base	current	history1	history2
Grease Color	*Visual	yellow	Brown	---	---
Texture	*In-house		Short fiber	---	---
NLGI Consistency	NLGI Scale	*SKF Method	1	00-0	---

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. : WC0881136 **Received** : 29 May 2024
Lab Number : 06194928 **Tested** : 13 Jun 2024
Unique Number : 11057051 **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: