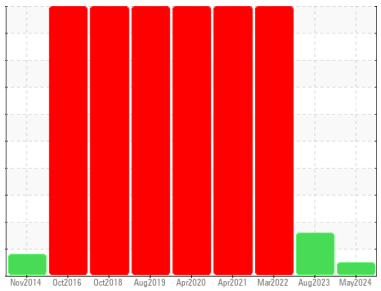
GREASE ANALYSIS

Sample Rating Trend



NORMAL

Machine Id
TURBINA 20 - REAR BEARING (S/N 101181)
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		**WC0881138**	WCI2352752	WC05582723
Sample Date		Client Info		**04 May 2024**	23 Aug 2023	30 Mar 2022
Machine Age	yrs	Client Info		**2**	11	0
Grease Age	yrs	Client Info		**1**	1	6
Grease Serviced		Client Info		**N/A**	N/A	N/A
Sample Status				**NORMAL**	ABNORMAL	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	**123**	113	▲ 18464
Iron	ppm	ASTM D5185m	>250	**335**	232	▲ 15892
Chromium	ppm	ASTM D5185m	>10	**6**	4	▲ 152
Nickel	ppm	ASTM D5185m	>5	**0**	0	2
Cadmium	ppm	ASTM D5185m		**1**	1	0
Titanium	ppm	ASTM D5185m		**1**	2	2
Vanadium	ppm	ASTM D5185m		**2**	1	2
Lead	ppm	ASTM D5185m	>25	**1**	<1	3
Copper	ppm	ASTM D5185m	>75	**71**	66	▲ 123
Tin	ppm	ASTM D5185m	>5	**0**	0	0
Silver	ppm	ASTM D5185m	>5	**0**	<1	0

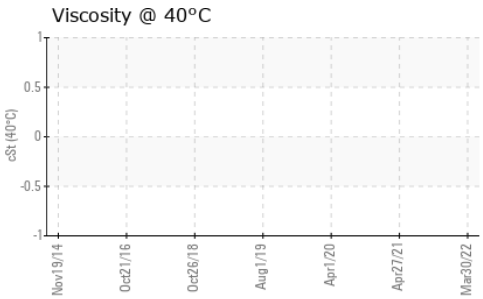
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**152**	143	156
Magnesium	ppm	ASTM D5185m		**0**	0	6
Manganese	ppm	ASTM D5185m		**2**	2	96
Molybdenum	ppm	ASTM D5185m		**4512**	4151	3576
Phosphorus	ppm	ASTM D5185m		**892**	937	836
Zinc	ppm	ASTM D5185m		**304**	157	128
Antimony	ppm	ASTM D5185m		**---**	---	---

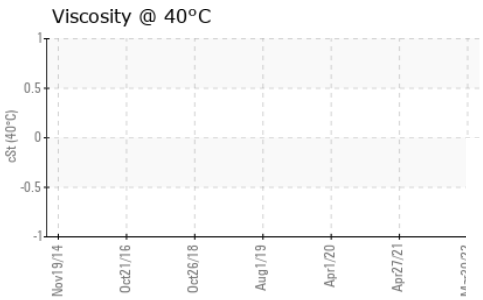
THICKENER/SOAP		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m		**0**	0	▲ 11
Barium	ppm	ASTM D5185m		**13**	12	0
Calcium	ppm	ASTM D5185m		**23**	26	28
Sodium	ppm	ASTM D5185m		**60**	52	62
Lithium	ppm	ASTM D5185m		**3121**	3333	2525
Sulfur	ppm	ASTM D5185m		**4425**	4259	4528

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>150	**172**	▲ 584	▲ 378
Potassium	ppm	ASTM D5185m		**7**	4	3

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	**00-0**	---	---

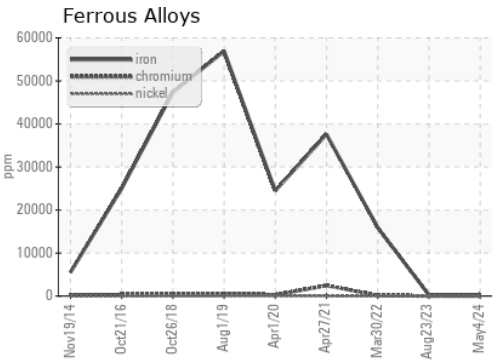
GREASE ANALYSIS

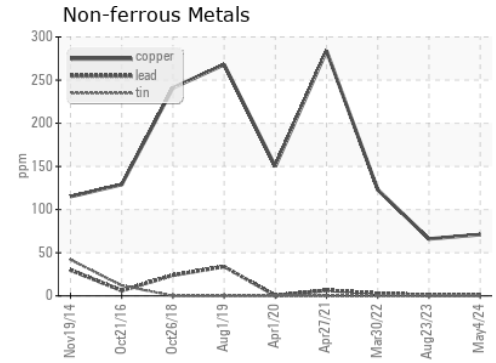


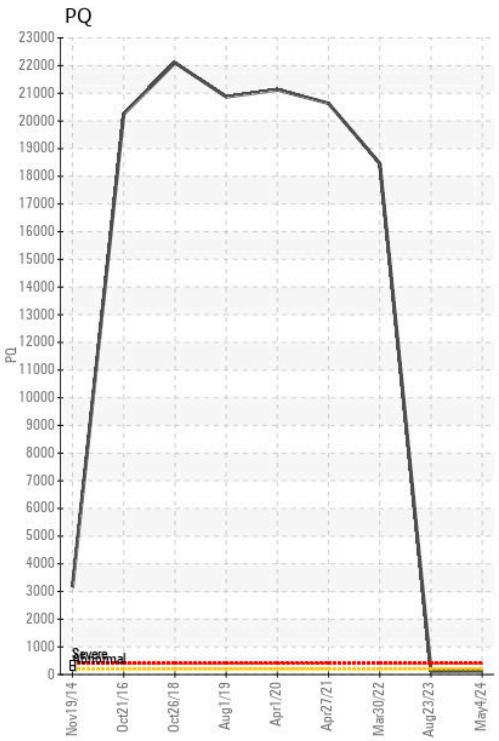


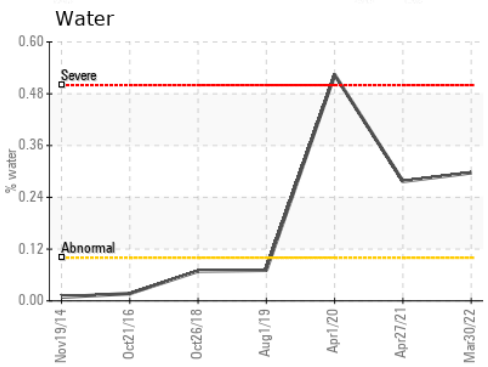
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					
PrtFilter			*no image*	*no image*	*no image*

GRAPHS









Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0881138
Lab Number : 06194933
Unique Number : 11057056
Test Package : GRS 1 (Additional Tests: KV40, SCREEN)

Received : 29 May 2024
Tested : 13 Jun 2024
Diagnosed : 13 Jun 2024 - Doug Bogart

EOLO DE NICARAGUA S.A.
DEL SEMAFORO DEL CLUB TERRAZA, 1 CUADRA AL SUR
MANAGUA, ZZ
NI
Contact: Rafael Bermudez
T:
F:

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)