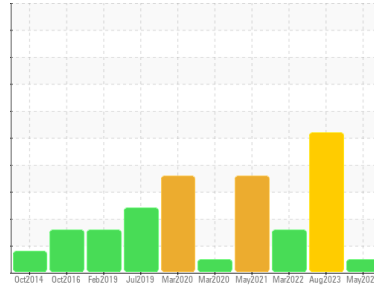




GREASE ANALYSIS

Sample Rating Trend



NORMAL



Machine Id
TURBINA 05 - REAR BEARING (S/N 101182)
 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		WC0831490	WC0419930	WC05582722
Sample Date	Client Info		03 May 2024	22 Aug 2023	29 Mar 2022
Machine Age	yrs	Client Info	12	11	0
Grease Age	yrs	Client Info	1	1	6
Grease Serviced	Client Info		N/A	N/A	N/A
Sample Status			NORMAL	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	299	▲ 252	210	
Iron	ppm	ASTM D5185m	>250	879	▲ 1113	▲ 1100
Chromium	ppm	ASTM D5185m	>10	55	▲ 60	▲ 75
Nickel	ppm	ASTM D5185m	>5	0	<1	4
Cadmium	ppm	ASTM D5185m		<1	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Vanadium	ppm	ASTM D5185m		1	<1	<1
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>75	58	19	17
Tin	ppm	ASTM D5185m	>5	0	0	0
Silver	ppm	ASTM D5185m	>5	<1	<1	0

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		172	237	243
Magnesium	ppm	ASTM D5185m		0	1	3
Manganese	ppm	ASTM D5185m		12	14	16
Molybdenum	ppm	ASTM D5185m		2728	1677	1392
Phosphorus	ppm	ASTM D5185m		571	566	493
Zinc	ppm	ASTM D5185m		236	197	241
Antimony	ppm	ASTM D5185m		---	---	---

THICKENER/SOAP

	method	limit/base	current	history1	history2	
Aluminum	ppm	ASTM D5185m		0	0	5
Barium	ppm	ASTM D5185m		11	24	20
Calcium	ppm	ASTM D5185m		52	138	234
Sodium	ppm	ASTM D5185m		31	16	28
Lithium	ppm	ASTM D5185m		2418	2500	2015
Sulfur	ppm	ASTM D5185m		5003	7017	7008

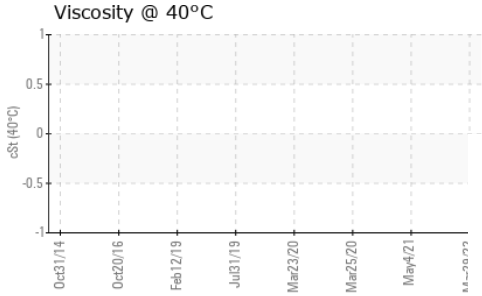
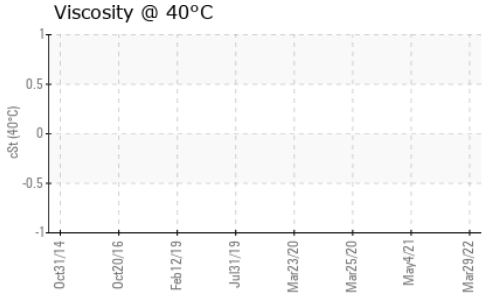
CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>150	138	▲ 416	33
Potassium	ppm	ASTM D5185m		6	1	4

GREASE CONDITION

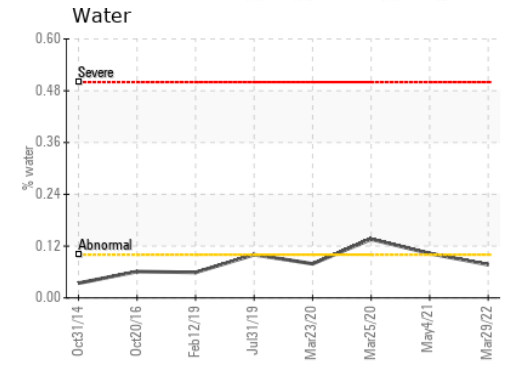
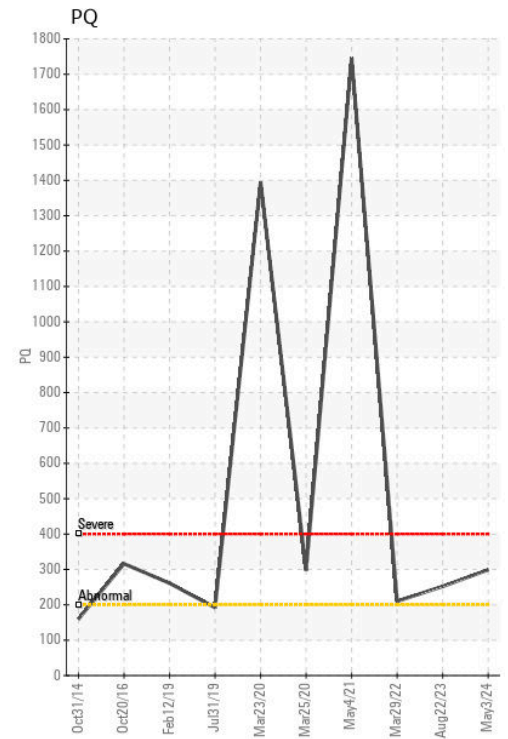
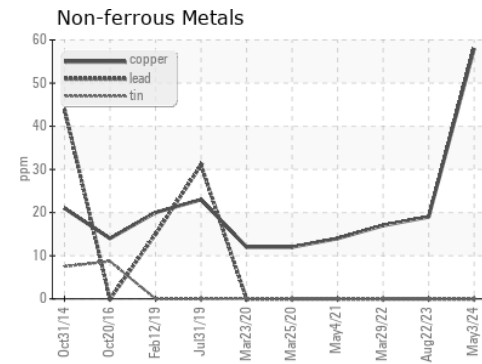
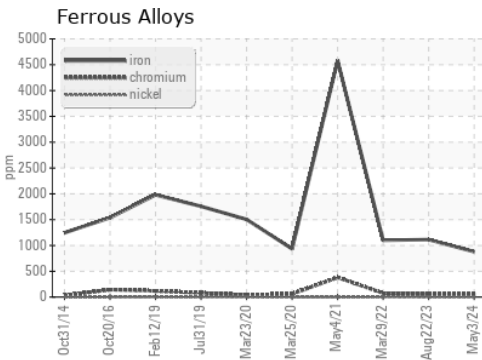
	method	limit/base	current	history1	history2
Grease Color	*Visual	yellow	Brown	---	---
Texture	*In-house		Short fiber	---	---
NLGI Consistency	NLGI Scale *SKF Method	1	0-1	---	---

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. : WC0831490 **Received** : 29 May 2024
Lab Number : 06194937 **Tested** : 13 Jun 2024
Unique Number : 11057060 **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: