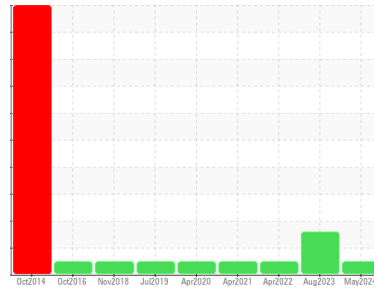




GREASE ANALYSIS

Sample Rating Trend



NORMAL



Machine Id
TURBINA 09 - REAR BEARING (S/N 101311)
 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			WC0881126	WC0419928	WC05582753
Sample Date	Client Info			09 May 2024	14 Aug 2023	08 Apr 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				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	275	251	91
Iron	ppm	ASTM D5185m	>250	762	686	504
Chromium	ppm	ASTM D5185m	>10	111	102	38
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	0	0	0
Copper	ppm	ASTM D5185m	>75	16	14	12
Tin	ppm	ASTM D5185m	>5	0	0	0
Silver	ppm	ASTM D5185m	>5	<1	<1	<1

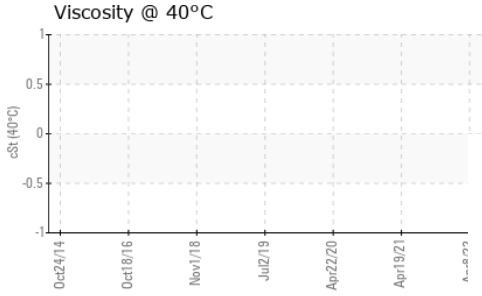
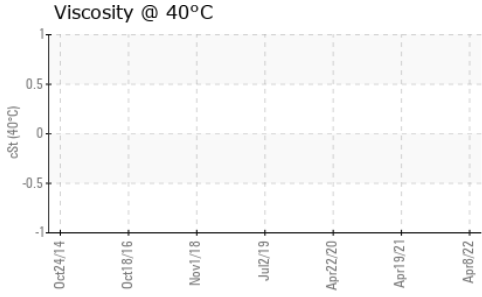
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		193	192	201
Magnesium	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		9	8	5
Molybdenum	ppm	ASTM D5185m		3318	3388	2395
Phosphorus	ppm	ASTM D5185m		663	603	471
Zinc	ppm	ASTM D5185m		238	160	96
Antimony	ppm	ASTM D5185m		---	---	---

THICKENER/SOAP		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m		0	0	6
Barium	ppm	ASTM D5185m		11	10	9
Calcium	ppm	ASTM D5185m		52	63	56
Sodium	ppm	ASTM D5185m		24	31	20
Lithium	ppm	ASTM D5185m		2759	2797	1921
Sulfur	ppm	ASTM D5185m		5592	5708	5940

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>150	158	▲ 434	36
Potassium	ppm	ASTM D5185m		5	4	2

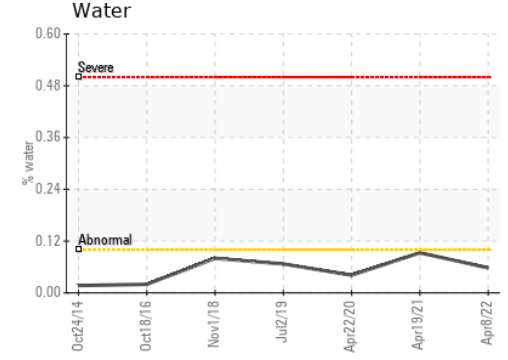
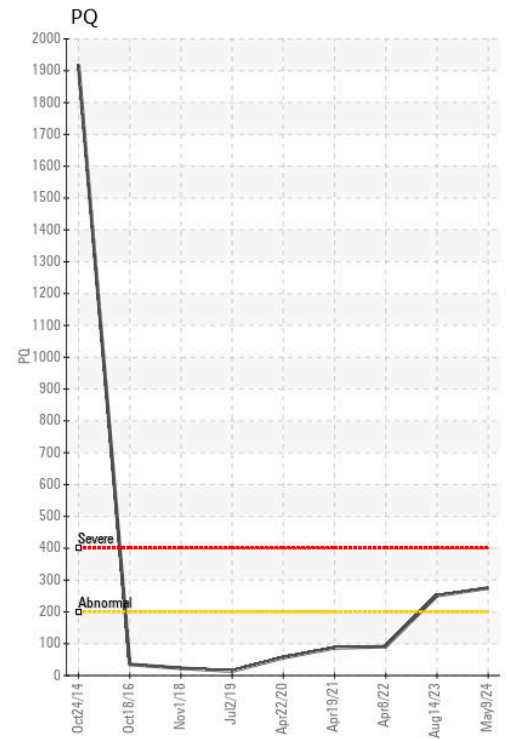
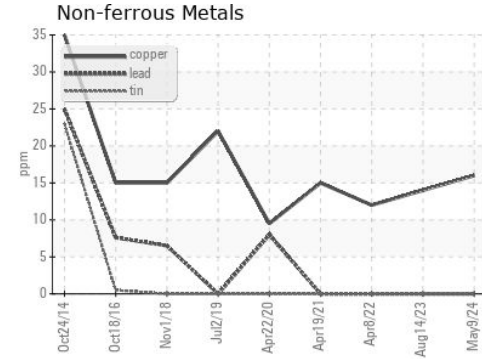
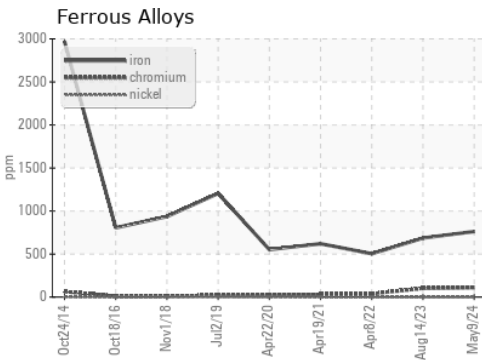
GREASE CONDITION		method	limit/base	current	history1	history2
Grease Color		*Visual	yellow	Brown	---	---
Texture		*In-house		Short fiber	---	---
NLGI Consistency	NLGI Scale	*SKF Method	1	1-2	---	---

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. : WC0881126 **Received** : 29 May 2024
Lab Number : 06194924 **Tested** : 13 Jun 2024
Unique Number : 11057047 **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: