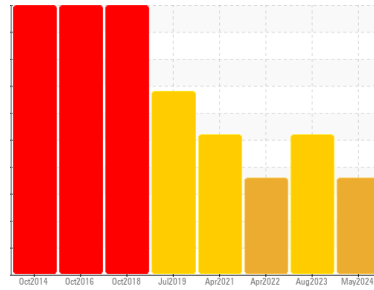




GREASE ANALYSIS

Sample Rating Trend



Machine Id
TURBINA 04 - REAR BEARING (S/N 101282)
 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	WC0881151	WC0831538	WC05582744	
Sample Date	Client Info	03 May 2024	12 Aug 2023	04 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		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	▲ 5192	▲ 4006	▲ 3888
Iron	ppm ASTM D5185m >250	▲ 4680	▲ 5337	▲ 4333
Chromium	ppm ASTM D5185m >10	▲ 70	▲ 48	▲ 31
Nickel	ppm ASTM D5185m >5	0	0	0
Cadmium	ppm ASTM D5185m	0	0	0
Titanium	ppm ASTM D5185m	<1	<1	<1
Vanadium	ppm ASTM D5185m	2	1	<1
Lead	ppm ASTM D5185m >25	0	0	0
Copper	ppm ASTM D5185m >75	37	52	38
Tin	ppm ASTM D5185m >5	0	0	0
Silver	ppm ASTM D5185m >5	<1	0	<1

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	194	219	178
Magnesium	ppm ASTM D5185m	0	2	3
Manganese	ppm ASTM D5185m	26	31	27
Molybdenum	ppm ASTM D5185m	3793	3107	2036
Phosphorus	ppm ASTM D5185m	710	661	430
Zinc	ppm ASTM D5185m	312	313	274
Antimony	ppm ASTM D5185m	---	---	---

THICKENER/SOAP

method	limit/base	current	history1	history2
Aluminum	ppm ASTM D5185m	0	0	9
Barium	ppm ASTM D5185m	5	15	13
Calcium	ppm ASTM D5185m	95	167	167
Sodium	ppm ASTM D5185m	26	24	20
Lithium	ppm ASTM D5185m	2923	2919	1966
Sulfur	ppm ASTM D5185m	5606	6508	5156

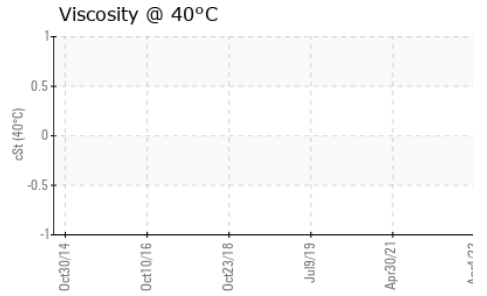
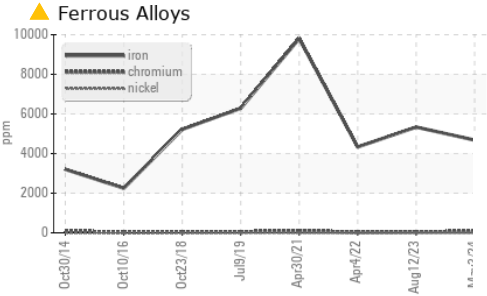
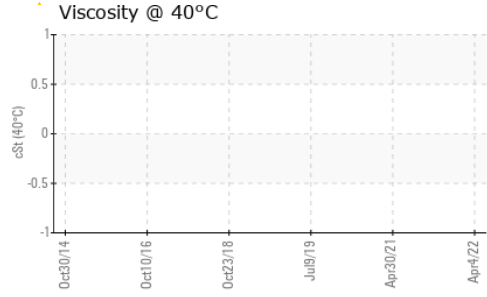
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >150	260	▲ 647	103
Potassium	ppm ASTM D5185m	6	5	3

GREASE CONDITION

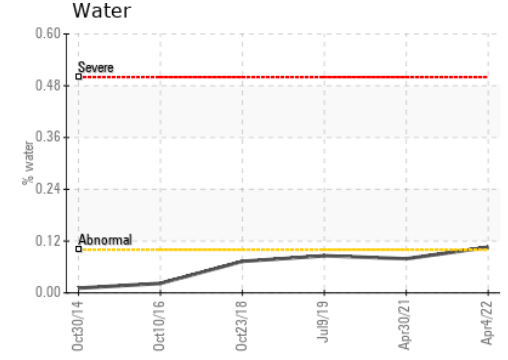
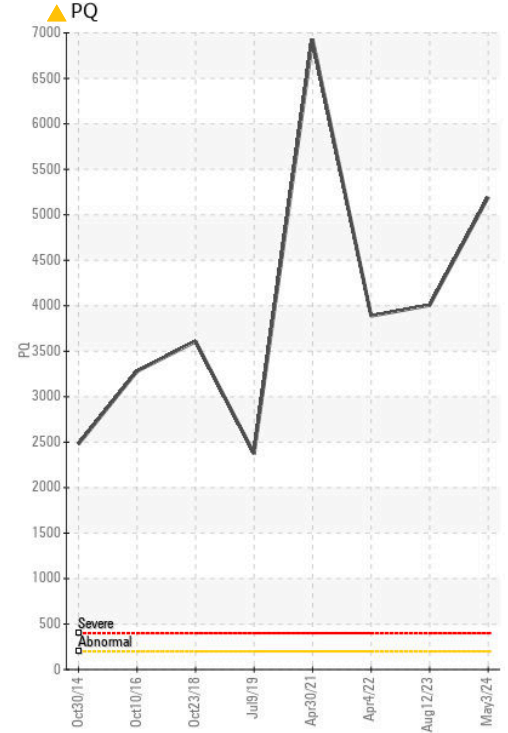
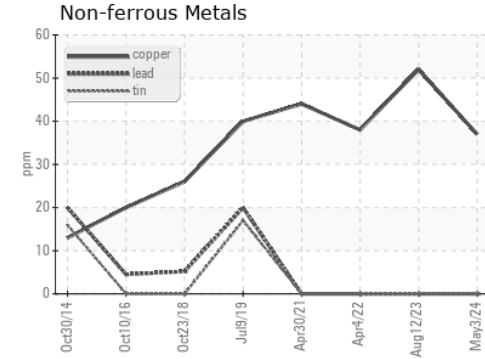
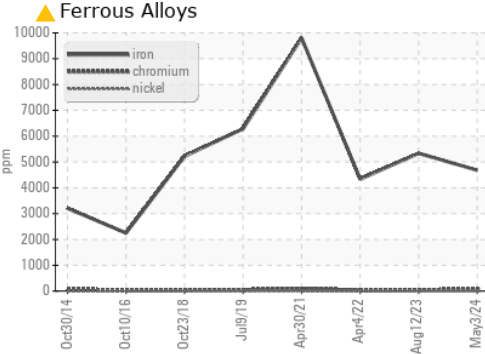
method	limit/base	current	history1	history2
Grease Color	*Visual yellow	Brown	---	---
Texture	*In-house	Buttery	---	---
NLGI Consistency	NLGI Scale *SKF Method 1	0-1	---	---

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. : WC0881151 **Received** : 29 May 2024
Lab Number : 06194922 **Tested** : 13 Jun 2024
Unique Number : 11057045 **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: