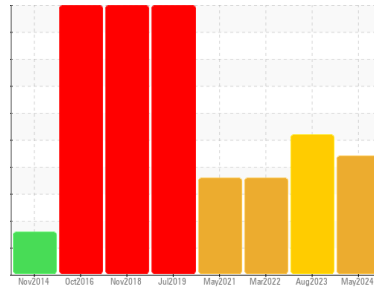




GREASE ANALYSIS

Sample Rating Trend



Machine Id
TURBINA 14 - FRONT BEARING (S/N 101296)
 Component
Grease
 Fluid
KLUBER KLUBERPLEX BEM 41-141 (--- LTR)

DIAGNOSIS

Recommendation
 Re-sample to verify the actual oil condition. Purge old grease if still abnormal and monitor the trend of iron level. No corrective action is recommended at this time.

Wear
 An increase in the wear noted. Bearing and/or bushing wear is indicated.

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	WC06194907	WC0419931	WC05582735
Sample Date	Client Info	30 May 2024	15 Aug 2023	27 Mar 2022
Machine Age	yrs	Client Info	12	11
Grease Age	yrs	Client Info	1	0
Grease Serviced	Client Info	N/A	N/A	N/A
Sample Status		ABNORMAL	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	▲ 12339	▲ 10174	▲ 8224
Iron	ppm ASTM D5185m >250	▲ 5794	▲ 4734	▲ 5180
Chromium	ppm ASTM D5185m >10	▲ 207	▲ 185	▲ 247
Nickel	ppm ASTM D5185m >5	0	0	0
Cadmium	ppm ASTM D5185m	0	0	0
Titanium	ppm ASTM D5185m	2	1	2
Vanadium	ppm ASTM D5185m	2	1	<1
Lead	ppm ASTM D5185m >25	5	0	0
Copper	ppm ASTM D5185m >75	▲ 777	105	30
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	199	183	192
Magnesium	ppm ASTM D5185m	0	1	1
Manganese	ppm ASTM D5185m	87	34	35
Molybdenum	ppm ASTM D5185m	3586	2736	2275
Phosphorus	ppm ASTM D5185m	645	476	407
Zinc	ppm ASTM D5185m	906	225	125
Antimony	ppm ASTM D5185m	---	---	---

THICKENER/SOAP

method	limit/base	current	history1	history2
Aluminum	ppm ASTM D5185m	0	0	8
Barium	ppm ASTM D5185m	2	3	4
Calcium	ppm ASTM D5185m	105	92	130
Sodium	ppm ASTM D5185m	30	16	17
Lithium	ppm ASTM D5185m	2807	2509	2046
Sulfur	ppm ASTM D5185m	5804	5423	5567

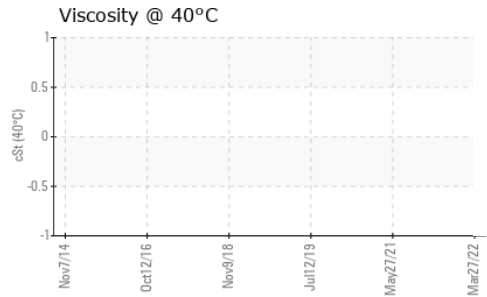
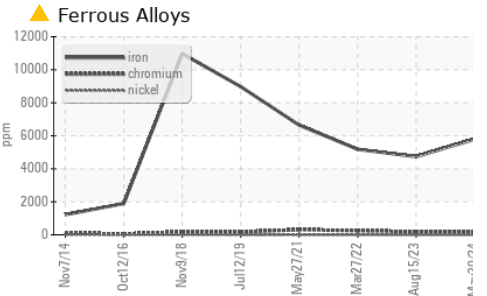
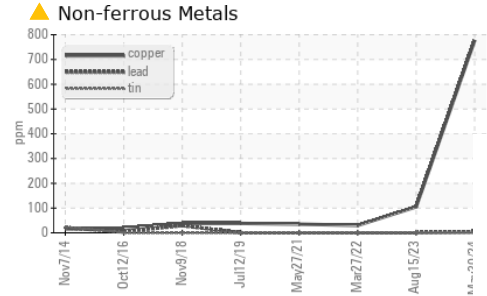
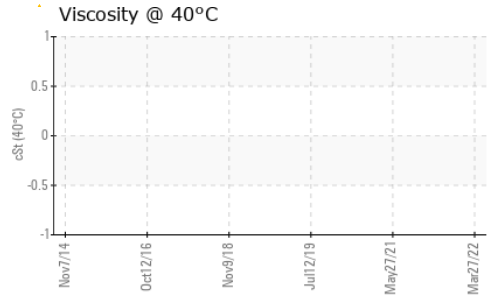
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >150	330	▲ 560	107
Potassium	ppm ASTM D5185m	7	<1	3

GREASE CONDITION

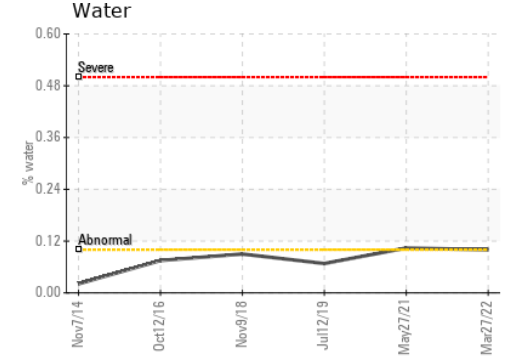
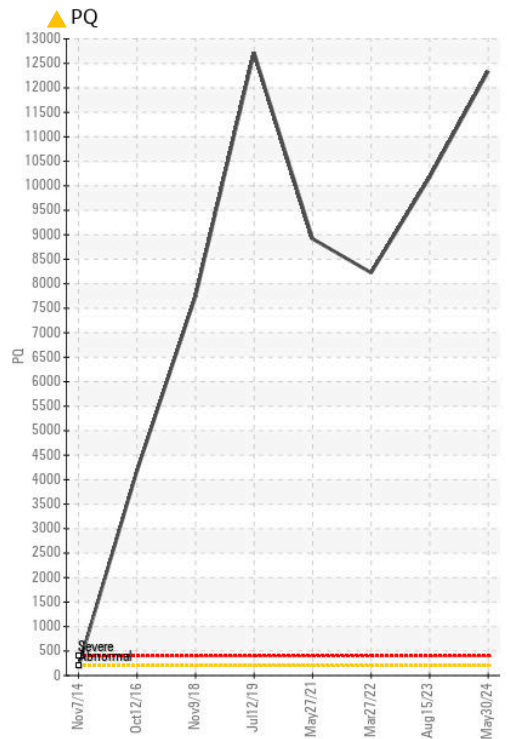
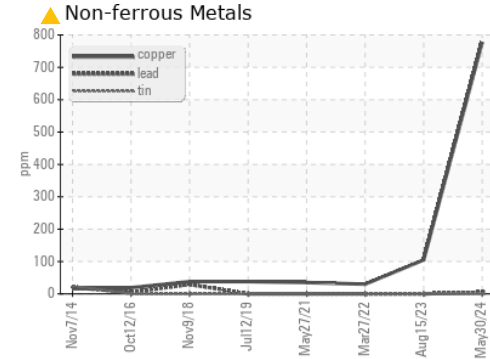
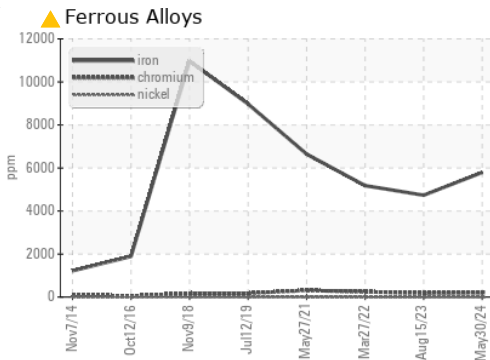
method	limit/base	current	history1	history2
Grease Color	*Visual yellow	Brown	---	---
Texture	*In-house	Short fiber	---	---
NLGI Consistency	NLGI Scale *SKF Method 1	000-00	---	---

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. : WC06194907 **Received** : 29 May 2024
Lab Number : **06194907** **Tested** : 13 Jun 2024
Unique Number : 11057030 **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)