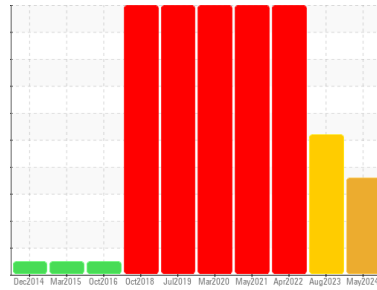




GREASE ANALYSIS

Sample Rating Trend



Machine Id
TURBINA 08 - FRONT BEARING (S/N 101295)
 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	WC06194914	WC0831523	WC05582726	
Sample Date	Client Info	14 May 2024	14 Aug 2023	02 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	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	▲ 17505	▲ 17546	▲ 12606
Iron	ppm ASTM D5185m >250	▲ 8761	▲ 8449	▲ 9501
Chromium	ppm ASTM D5185m >10	▲ 190	▲ 188	▲ 213
Nickel	ppm ASTM D5185m >5	0	0	1
Cadmium	ppm ASTM D5185m	0	0	0
Titanium	ppm ASTM D5185m	2	2	2
Vanadium	ppm ASTM D5185m	2	2	1
Lead	ppm ASTM D5185m >25	0	0	0
Copper	ppm ASTM D5185m >75	61	67	52
Tin	ppm ASTM D5185m >5	0	0	0
Silver	ppm ASTM D5185m >5	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	215	211	221
Magnesium	ppm ASTM D5185m	2	3	5
Manganese	ppm ASTM D5185m	45	42	52
Molybdenum	ppm ASTM D5185m	3612	3005	2371
Phosphorus	ppm ASTM D5185m	608	534	436
Zinc	ppm ASTM D5185m	308	207	181
Antimony	ppm ASTM D5185m	---	---	---

THICKENER/SOAP

method	limit/base	current	history1	history2
Aluminum	ppm ASTM D5185m	0	1	12
Barium	ppm ASTM D5185m	0	0	1
Calcium	ppm ASTM D5185m	129	142	208
Sodium	ppm ASTM D5185m	30	20	24
Lithium	ppm ASTM D5185m	2808	2804	2258
Sulfur	ppm ASTM D5185m	6207	6276	6395

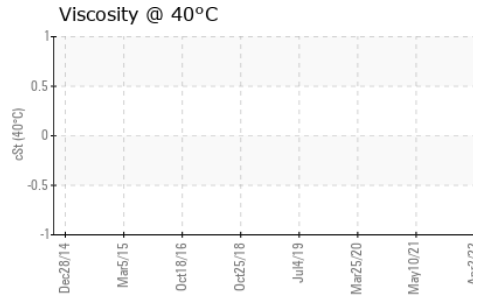
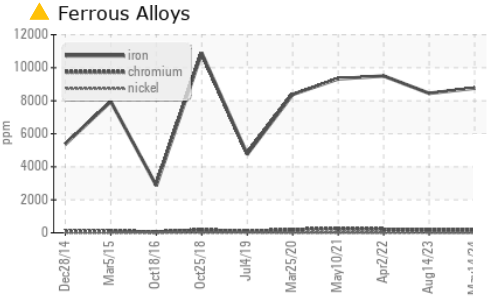
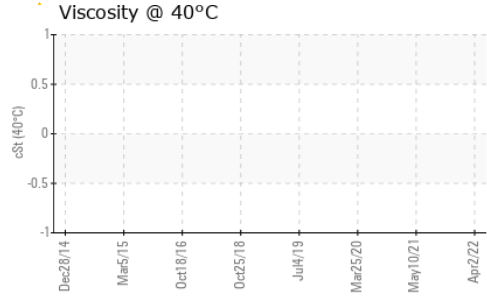
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >150	433	▲ 602	▲ 204
Potassium	ppm ASTM D5185m	6	2	3

GREASE CONDITION

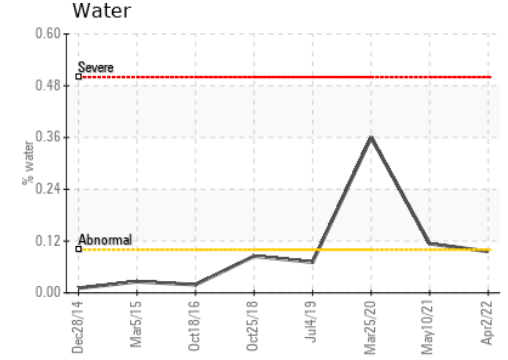
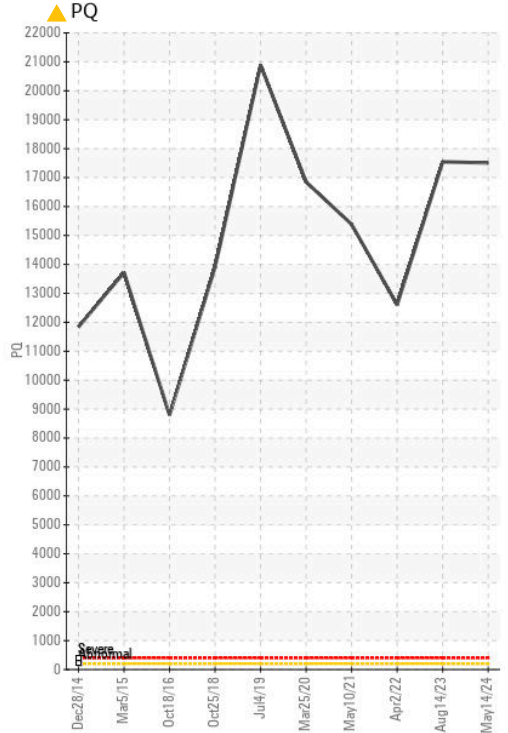
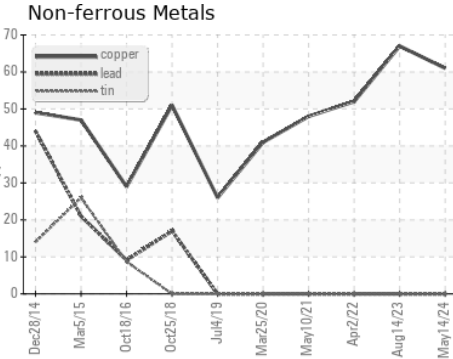
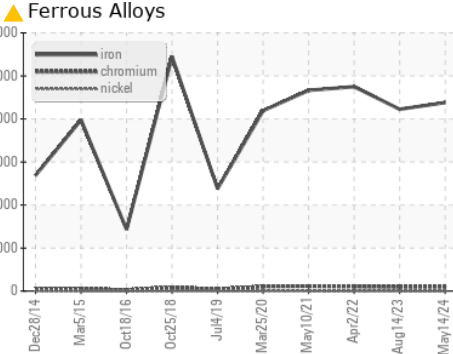
method	limit/base	current	history1	history2
Grease Color	*Visual yellow	Brown	---	---
Texture	*In-house	Buttery	---	---
NLGI Consistency	NLGI Scale *SKF Method 1	0-1	---	---

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. : WC06194914 **Received** : 29 May 2024
Lab Number : 06194914 **Tested** : 13 Jun 2024
Unique Number : 11057037 **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)