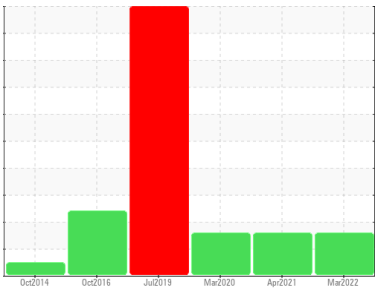
PROBLEM SUMMARY

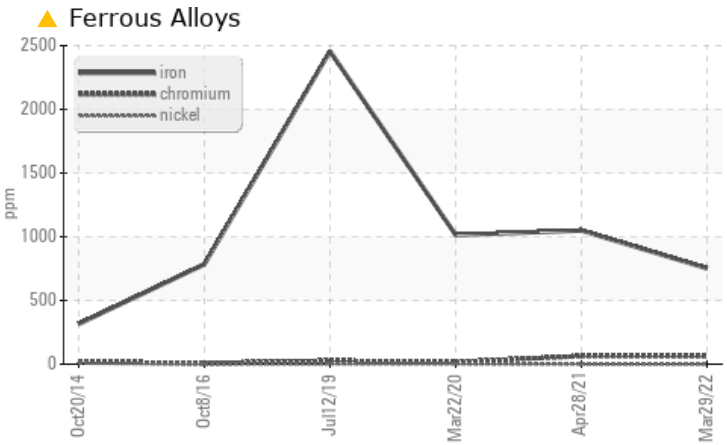
Sample Rating Trend



WEAR

Machine Id
TURBINA 01 - REAR BEARING
Component
Grease
Fluid
KLUBER KLUBERPLEX BEM 41-141 (--- LTR)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				**MARGINAL**	MARGINAL	ABNORMAL
Iron	ppm	ASTM D5185m	>250	▲ **752**	▲ 1049	▲ 1014
Chromium	ppm	ASTM D5185m	>10	▲ **62**	▲ 63	▲ 15

Customer Id: EOLOMAN
Sample No.: WC05582717
Lab Number: 05582717
Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data:
Doug Bogart +1 (800)237-1369 x4016
dougb@wearcheckusa.com

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

28 Apr 2021 Diag: Doug Bogart

WEAR

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.The iron level is abnormal. There is no indication of any contamination in the grease. The AN level is acceptable for this fluid. The condition of the grease is acceptable for the time in service.

view report

22 Mar 2020 Diag: Doug Bogart

WEAR

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.The iron level is abnormal. There is no indication of any contamination in the grease. The AN level is acceptable for this fluid. The condition of the grease is acceptable for the time in service.

view report

12 Jul 2019 Diag: Doug Bogart

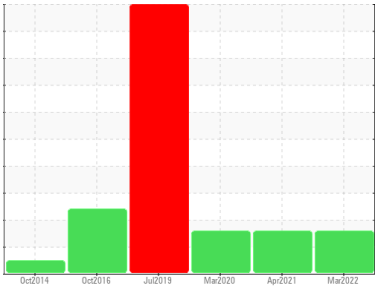
WEAR

We recommend an early resample to monitor this condition.The iron level is abnormal. The very high ferrous density (PQ) index indicates that severe wear is occurring. There is no indication of any contamination in the component. The AN level is acceptable for this fluid.

view report

GREASE ANALYSIS

Sample Rating Trend



WEAR

Machine Id
TURBINA 01 - REAR BEARING
Component
Grease
Fluid
KLUBER KLUBERPLEX BEM 41-141 (--- LTR)

DIAGNOSIS

Recommendation
No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

Wear
The iron level is abnormal.

Grease Condition
The AN level is acceptable for this fluid. 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		**WC05582717**	WC05279442	WCI2352589
Sample Date		Client Info		**29 Mar 2022**	28 Apr 2021	22 Mar 2020
Machine Age	mths	Client Info		**0**	0	6
Grease Age	mths	Client Info		**6**	18	0
Grease Serviced		Client Info		**N/A**	N/A	N/A
Sample Status				**MARGINAL**	MARGINAL	ABNORMAL

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>200	**204**	221	213
Iron	ppm	ASTM D5185m	>250	▲ **752**	▲ 1049	▲ 1014
Chromium	ppm	ASTM D5185m	>10	▲ **62**	▲ 63	▲ 15
Nickel	ppm	ASTM D5185m	>5	**0**	0	<1
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	**11**	10	9
Tin	ppm	ASTM D5185m	>5	**0**	0	<1
Silver	ppm	ASTM D5185m	>5	**3**	0	0

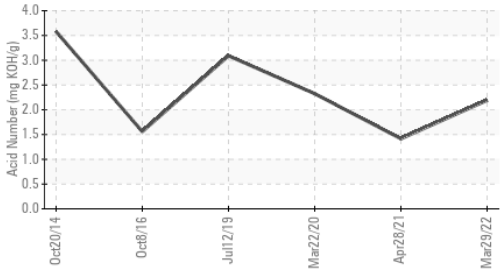
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**199**	192	170
Magnesium	ppm	ASTM D5185m		**<1**	2	3
Manganese	ppm	ASTM D5185m		**8**	11	9
Molybdenum	ppm	ASTM D5185m		**2312**	1579	202
Phosphorus	ppm	ASTM D5185m		**454**	318	96
Zinc	ppm	ASTM D5185m		**113**	119	100
Antimony	ppm	ASTM D5185m		**---**	2	<1

THICKENER/SOAP		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m		**6**	15	3
Barium	ppm	ASTM D5185m		**8**	7	5
Calcium	ppm	ASTM D5185m		**139**	184	171
Sodium	ppm	ASTM D5185m		**28**	29	5
Lithium	ppm	ASTM D5185m		**2069**	1611	---
Sulfur	ppm	ASTM D5185m		**5754**	5845	5061

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>150	**41**	34	11
Potassium	ppm	ASTM D5185m		**3**	3	1
Water	%	ASTM D6304	>0.1	**0.043**	0.102	0.042
ppm Water	ppm	ASTM D6304	>1000	**437.7**	1020	420

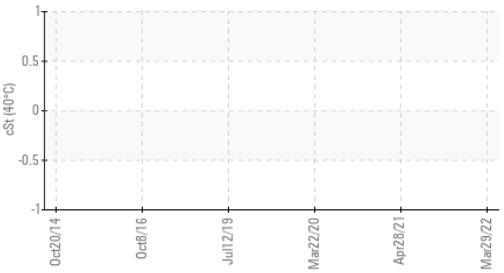
GREASE ANALYSIS

Acid Number



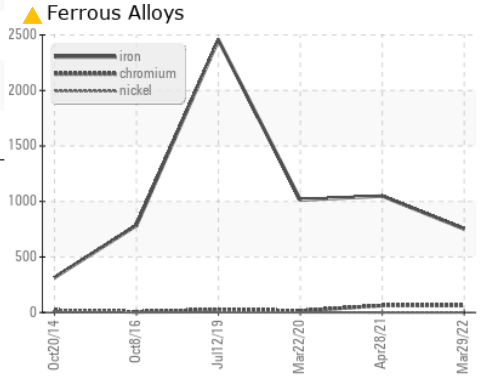
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

Viscosity @ 40°C

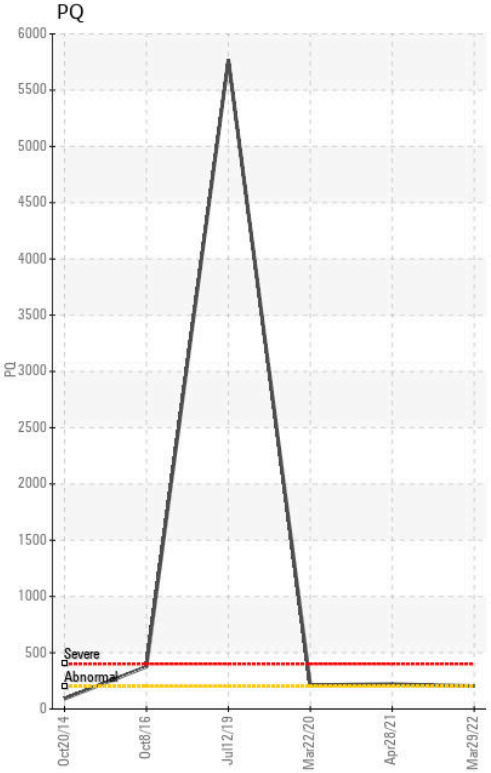


GRAPHS

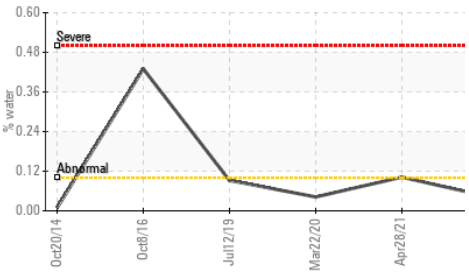
Ferrous Alloys



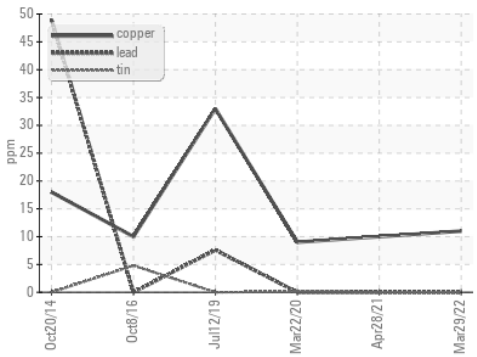
PQ



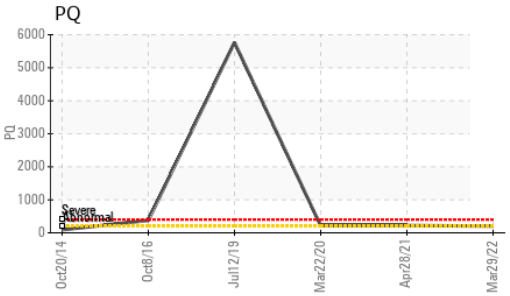
Water



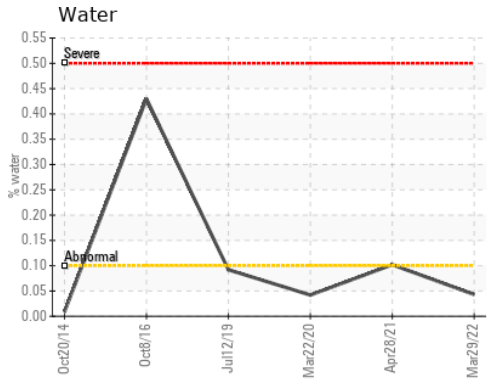
Non-ferrous Metals



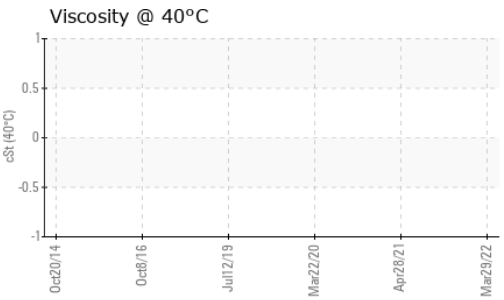
PQ



Water



Viscosity @ 40°C



Certificate L2367

Laboratory	: WearCheck USA - 501 Madison Ave., Cary, NC 27513		
Sample No.	: WC05582717	**Received**	: 01 Jul 2022
Lab Number	: 05582717	**Diagnosed**	: 08 Jul 2022
Unique Number	: 10037143	**Diagnostician**	: Doug Bogart
Test Package	: IND 2 (Additional Tests: KF, PQ)		

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)

EOLO DE NICARAGUA S.A.
DEL SEMAFORO DEL CLUB TERRAZA, 1 CUADRA AL SUR
MANAGUA, ZZ
NI
Contact: Oliver Narvaez
oliver.narvaez@somoscmi.com
T: 5(058)625-2038
F: