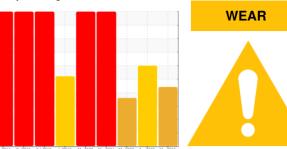


GREASE ANALYSIS

Sample Rating Trend



Machine Id

TURBINA 15 - FRONT BEARING (S/N 101290)

Grease

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.

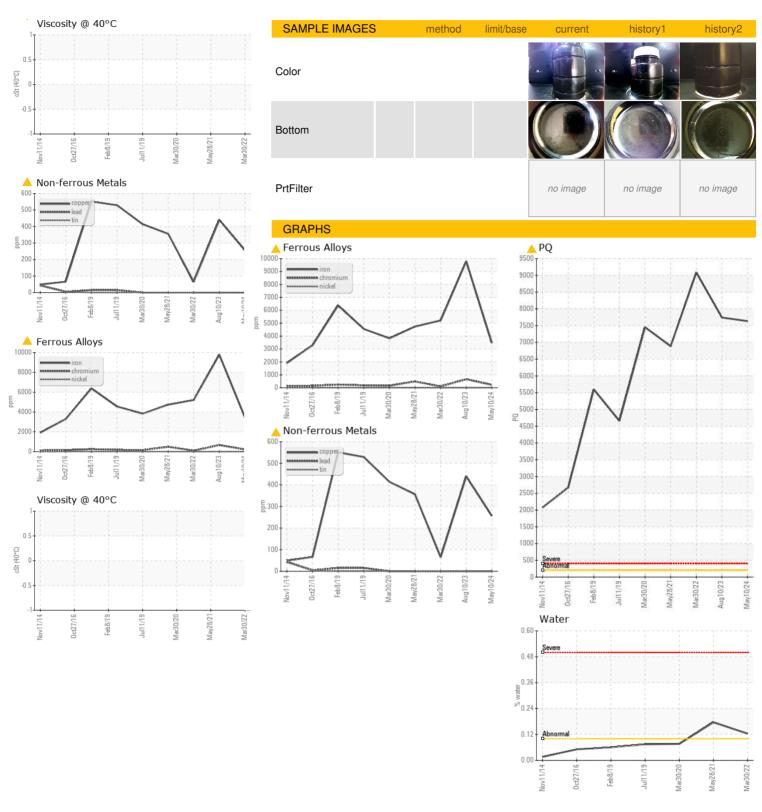
Contaminants

There is no indication of any contamination in the grease.

H)		Nov2014 Oc	2016 Feb2019 Jul2019	Mar2020 May2021 Mar2022 Aug202	23 May2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06194915	WC0831531	WCI2352766
Sample Date		Client Info		10 May 2024	10 Aug 2023	30 Mar 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	ABNORMAL
CONTAMINATIO	N	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	^ 7635	<u>^</u> 7741	4 9086
Iron	ppm	ASTM D5185m	>250	<u> </u>	△ 9790	<u></u> 5211
Chromium	ppm	ASTM D5185m	>10	226	<u></u> 660	△ 103
Nickel	ppm	ASTM D5185m	>5	0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		2	5	1
Vanadium	ppm	ASTM D5185m		1	2	<1
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>75	<u>^</u> 256	<u>440</u>	65
Tin	ppm	ASTM D5185m	>5	0	0	0
Silver	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		187	427	189
Magnesium	ppm	ASTM D5185m		0	4	2
Manganese	ppm	ASTM D5185m		38	103	36
Molybdenum	ppm	ASTM D5185m		2274	5773	2197
Phosphorus	ppm	ASTM D5185m		524	983	399
Zinc	ppm	ASTM D5185m		363	760	161
Antimony	ppm	ASTM D5185m				
THICKENER/SO	AP	method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m		0	14	9
Barium	ppm	ASTM D5185m		3	15	5
Calcium	ppm	ASTM D5185m		99	282	116
Sodium	ppm	ASTM D5185m		20	85	19
Lithium	ppm	ASTM D5185m		2013	3438	2094
Sulfur	ppm	ASTM D5185m		5465	12650	5475
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>150	330	<u> </u>	119
Potassium	ppm	ASTM D5185m		5	18	2
GREASE CONDI	TION	method	limit/base	current	history1	history2
Grease Color		*Visual	yellow	Brown		
Texture		*In-house				
Texture NLGI Consistency	NLGI Scale	*In-house *SKF Method	1	Buttery 00-0		



GREASE ANALYSIS







Certificate 12367

Laboratory Sample No.

Lab Number : 06194915

: WC06194915 Unique Number : 11057038

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received

: 29 May 2024 **Tested** : 13 Jun 2024 Diagnosed : 13 Jun 2024 - Doug Bogart

EOLO DE NICARAGUA S.A. DEL SEMAFORO DEL CLUB TERRAZA, 1 CUADRA AL SUR MANAGUA, ZZ NI

Contact: Rafael Bermudez

Test Package : GRS 1 (Additional Tests: KV40, SCREEN) 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: