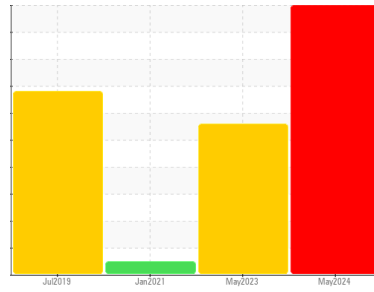




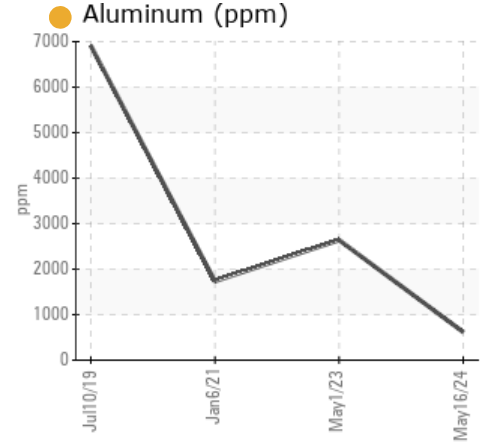
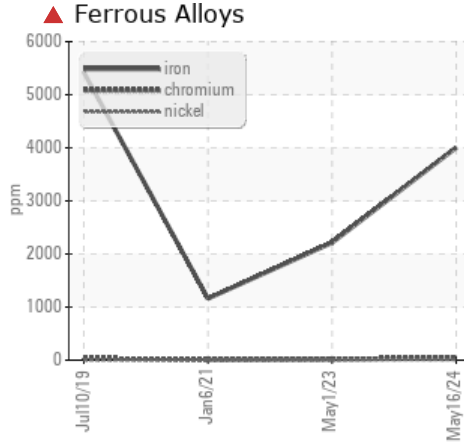
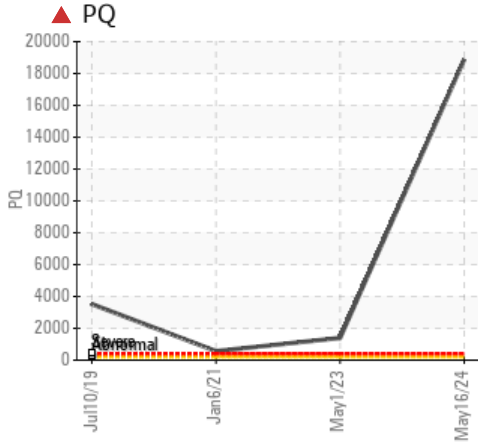
PROBLEM SUMMARY

Sample Rating Trend



Machine Id
MISS IRENE - ROTEX BEARING
 Component
Grease
 Fluid
 {not provided} (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Recommend drain grease if not already done and flush before refilling with grease. We advise that you inspect for the source(s) of wear. Please submit a sample of the new (unused) grease to establish a baseline.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	ABNORMAL	NORMAL
PQ		ASTM D8184	>200	▲ 18889	▲ 1395	566
Iron	ppm	ASTM D5185m	>250	▲ 4005	▲ 2214	1160
Chromium	ppm	ASTM D5185m	>10	▲ 49	▲ 16	6

Customer Id: STJCONKL
 Sample No.: WC0759641
 Lab Number: 06193473
 Test Package: FLEET



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
Inspect Wear Source	---	---	?	We advise that you inspect for the source(s) of wear.
Change Fluid	---	---	?	Recommend drain grease if not already done and flush with cleaner before refilling with grease.
Flush System	---	---	?	Recommend drain grease if not already done and flush with cleaner before refilling with grease.
Resample	---	---	?	Please submit a sample of the new (unused) oil to establish a baseline.

HISTORICAL DIAGNOSIS

WEAR



01 May 2023 Diag: Doug Bogart

Recommend drain grease if not already done and flush before refilling with grease. We advise that you inspect for the source(s) of wear. Please submit a sample of the new (unused) grease to establish a baseline. The iron level is abnormal. Moderate concentration of visible metal present. The high ferrous density (PQ) index indicates that abnormal wear is occurring. There is no indication of any contamination in the grease. The grease is no longer serviceable as a result of the abnormal and/or severe wear.

view report



NORMAL



06 Jan 2021 Diag: Doug Bogart

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the grease. The condition of the grease is acceptable for the time in service.

view report



WEAR



10 Jul 2019 Diag: Doug Bogart

Recommend drain grease if not already done and flush before refilling with grease. We advise that you inspect for the source(s) of wear. Please submit a sample of the new (unused) oil to establish a baseline. The iron level is abnormal. Moderate concentration of visible metal present. The high ferrous density (PQ) index indicates that abnormal wear is occurring. The high sodium (Na) level indicates the possible presence of salt water. The grease is no longer serviceable as a result of the abnormal and/or severe wear.

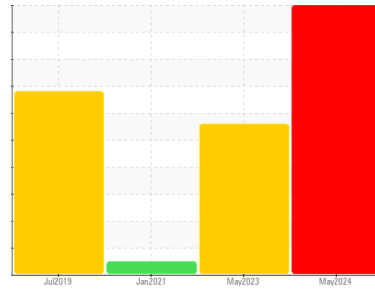
view report





GREASE ANALYSIS

Sample Rating Trend



WEAR



Machine Id
MISS IRENE - ROTEX BEARING

Component
Grease
Fluid
{not provided} (--- GAL)

DIAGNOSIS

▲ Recommendation

Recommend drain grease if not already done and flush before refilling with grease. We advise that you inspect for the source(s) of wear. Please submit a sample of the new (unused) grease to establish a baseline.

▲ Wear

The iron level is abnormal. Moderate concentration of visible metal present. The high ferrous density (PQ) index indicates that abnormal wear is occurring.

Grease Condition

The grease is no longer serviceable as a result of the abnormal and/or severe wear.

Contaminants

There is no indication of any contamination in the grease.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0759641	WC0727979	WC0346449
Sample Date	Client Info		16 May 2024	01 May 2023	06 Jan 2021
Machine Age	hrs	Client Info	0	0	20609
Grease Age	hrs	Client Info	0	0	0
Grease Serviced	Client Info		N/A	N/A	N/A
Sample Status			SEVERE	ABNORMAL	NORMAL

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	▲ 18889	▲ 1395	566
Iron	ppm	ASTM D5185m	>250	▲ 4005	▲ 2214
Chromium	ppm	ASTM D5185m	>10	▲ 49	▲ 16
Nickel	ppm	ASTM D5185m	>5	7	4
Cadmium	ppm	ASTM D5185m		0	0
Titanium	ppm	ASTM D5185m		9	▲ 22
Vanadium	ppm	ASTM D5185m		<1	1
Lead	ppm	ASTM D5185m	>25	3	9
Copper	ppm	ASTM D5185m	>75	14	27
Tin	ppm	ASTM D5185m	>5	<1	2
Silver	ppm	ASTM D5185m	>5	0	2

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		158	74
Magnesium	ppm	ASTM D5185m		92	421
Manganese	ppm	ASTM D5185m		39	13
Molybdenum	ppm	ASTM D5185m		6	4
Phosphorus	ppm	ASTM D5185m		546	122
Zinc	ppm	ASTM D5185m		721	56
Antimony	ppm	ASTM D5185m		---	---

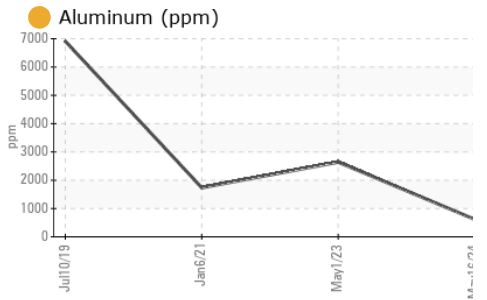
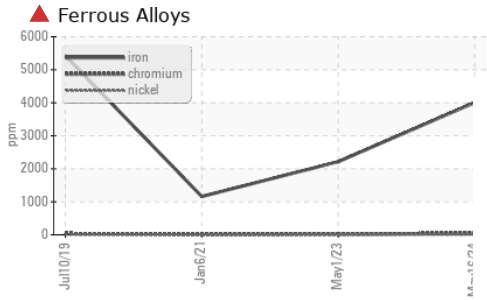
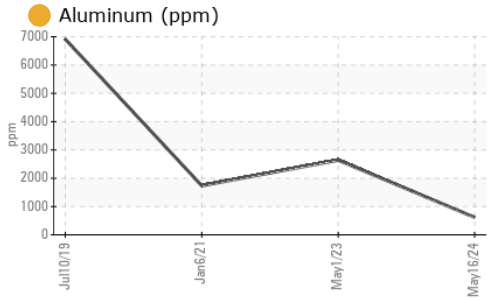
THICKENER/SOAP

	method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m		618	2639
Barium	ppm	ASTM D5185m		3	32
Calcium	ppm	ASTM D5185m		386	201
Sodium	ppm	ASTM D5185m		47	112
Lithium	ppm	ASTM D5185m		421	50
Sulfur	ppm	ASTM D5185m		4745	2167

CONTAMINANTS

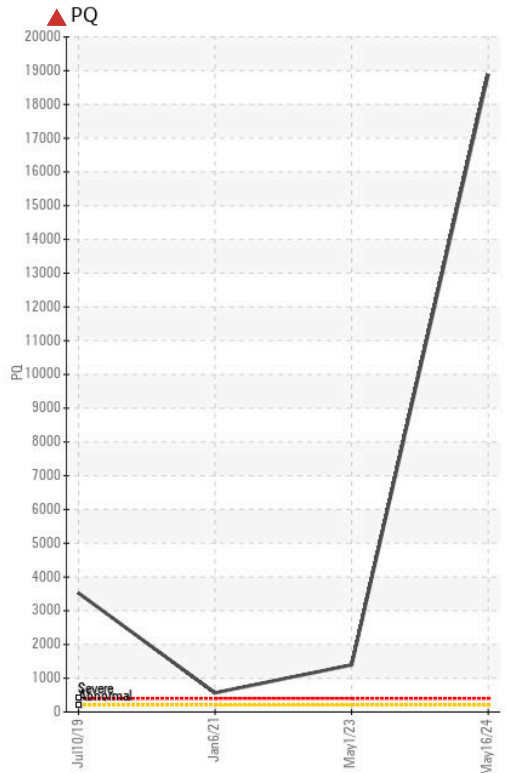
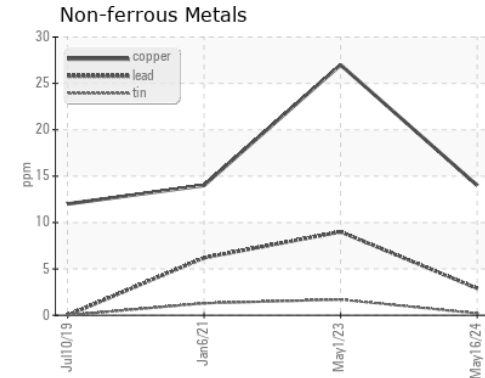
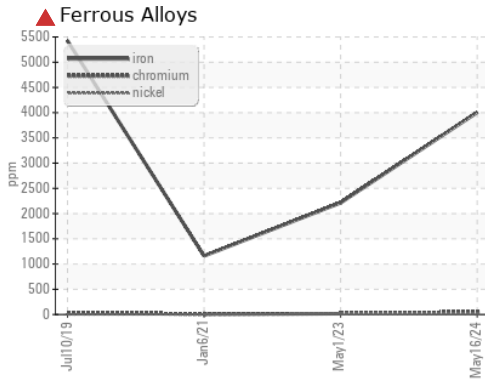
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>150	1745	6094
Potassium	ppm	ASTM D5185m		53	24

GREASE ANALYSIS



SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Certificate L2367

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

Sample No. : WC0759641

Lab Number : 06193473

Unique Number : 11050225

Test Package : FLEET (Additional Tests: PQ)

Received : 28 May 2024

Tested : 05 Jun 2024

Diagnosed : 05 Jun 2024 - Doug Bogart

ASSOCIATED TERMINALS - CRANE

CONVENT, LA

US 70723

Contact: GREG JOSEY

gjosey@associatedterminals.com

T:

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)

F: (225)562-3515