



WEAR CHECK

GREASE ANALYSIS

WEAR
GREASE CONDITION
CONTAMINANTS

SEVERE

NORMAL

NORMAL

Machine Id
MISS IRENE - ROTEX BEARING

Component
Grease

Fluid
{not provided} (--- GAL)

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.

Test	UOM	Method	Limit/Abn	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

WEAR

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

PQ		ASTM D8184	>200	▲ 18889	▲ 1395	566
Iron	ppm	ASTM D5185m	>250	▲ 4005	▲ 2214	1160
Chromium	ppm	ASTM D5185m	>10	▲ 49	▲ 16	6
Nickel	ppm	ASTM D5185m	>5	7	4	3
Titanium	ppm	ASTM D5185m		9	▲ 22	14
Vanadium	ppm	ASTM D5185m		<1	1	<1
Lead	ppm	ASTM D5185m	>25	3	9	6
Copper	ppm	ASTM D5185m	>75	14	27	14
Tin	ppm	ASTM D5185m	>5	<1	2	1
Silver	ppm	ASTM D5185m	>5	0	2	2

GREASE CONDITION

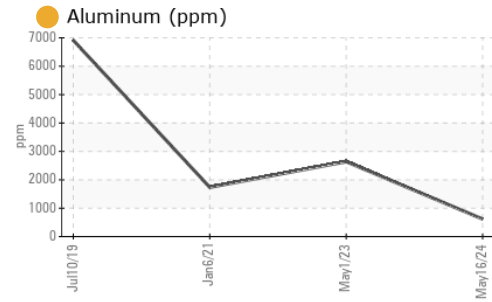
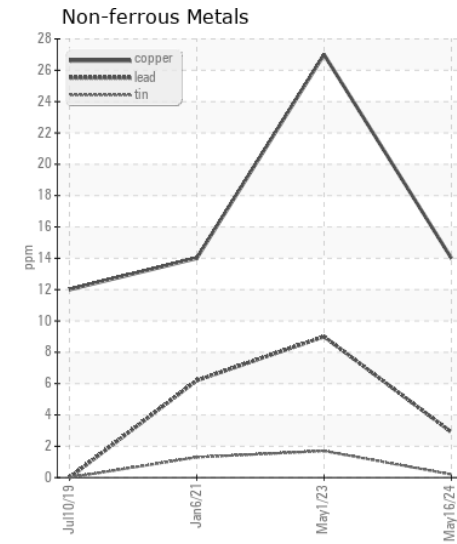
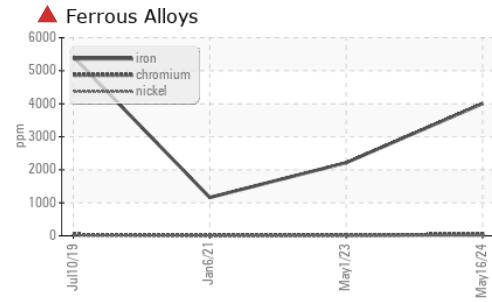
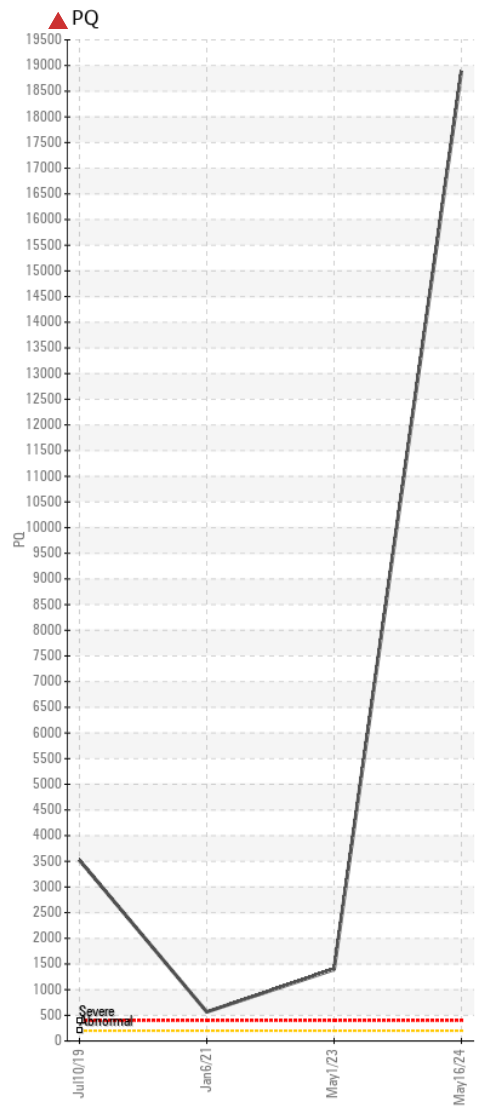
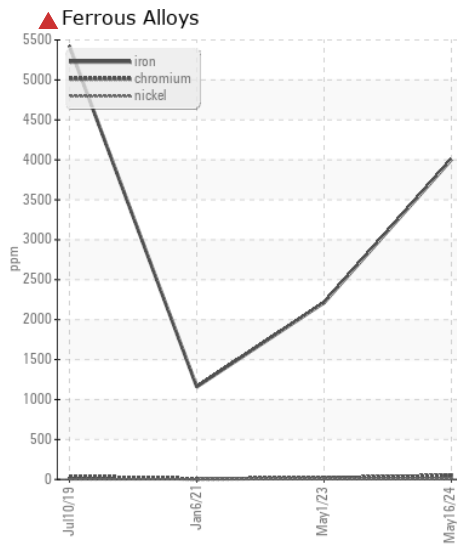
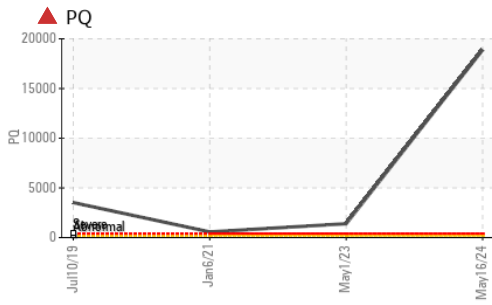
The grease is no longer serviceable as a result of the abnormal and/or severe wear.

Boron	ppm	ASTM D5185m		158	74	131
Magnesium	ppm	ASTM D5185m		92	421	276
Manganese	ppm	ASTM D5185m		39	13	10
Molybdenum	ppm	ASTM D5185m		6	4	1
Phosphorus	ppm	ASTM D5185m		546	122	262
Zinc	ppm	ASTM D5185m		721	56	445
Aluminum	ppm	ASTM D5185m		● 618	2639	1736
Barium	ppm	ASTM D5185m		3	32	32
Calcium	ppm	ASTM D5185m		386	201	117
Sodium	ppm	ASTM D5185m		47	112	66
Lithium	ppm	ASTM D5185m		421	50	---
Sulfur	ppm	ASTM D5185m		4745	2167	3893

CONTAMINANTS

There is no indication of any contamination in the grease.

Water		WC Method	>0.1	NEG	NEG	NEG
Silicon	ppm	ASTM D5185m	>150	1745	6094	3961
Potassium	ppm	ASTM D5185m		53	24	32



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0759641 **Received** : 28 May 2024
Lab Number : 06193473 **Tested** : 05 Jun 2024
Unique Number : 11050225 **Diagnosed** : 05 Jun 2024 - Doug Bogart
Test Package : FLEET (Additional Tests: PQ)

ASSOCIATED TERMINALS - CRANE

CONVENT, LA
 US 70723

Contact: GREG JOSEY
 gjosey@associatedterminals.com

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: (225)562-3515