



GREASE ANALYSIS

WEAR	NORMAL
GREASE CONDITION	NORMAL
CONTAMINANTS	NORMAL

Area
CRANE
Machine Id
ALEX G - ROTEC BEARING
Component
Grease
Fluid
ROTEC BEARING GREASE (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0533219	WC0482117	WC05002145
Sample Date		Client Info		02 May 2023	28 Sep 2020	15 Jun 2020
Machine Age	hrs	Client Info		0	0	0
Grease Age	hrs	Client Info		0	0	0
Grease Serviced		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	SEVERE	SEVERE

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>200	120	158	193
Iron	ppm	ASTM D5185m	>250	133	1783	1748
Chromium	ppm	ASTM D5185m	>10	1	6	4
Nickel	ppm	ASTM D5185m	>5	<1	3	2
Titanium	ppm	ASTM D5185m		2	27	32
Vanadium	ppm	ASTM D5185m		<1	<1	<1
Lead	ppm	ASTM D5185m	>25	<1	9	10
Copper	ppm	ASTM D5185m	>75	3	9	10
Tin	ppm	ASTM D5185m	>5	<1	1	2
Silver	ppm	ASTM D5185m	>5	<1	0	<1

GREASE CONDITION

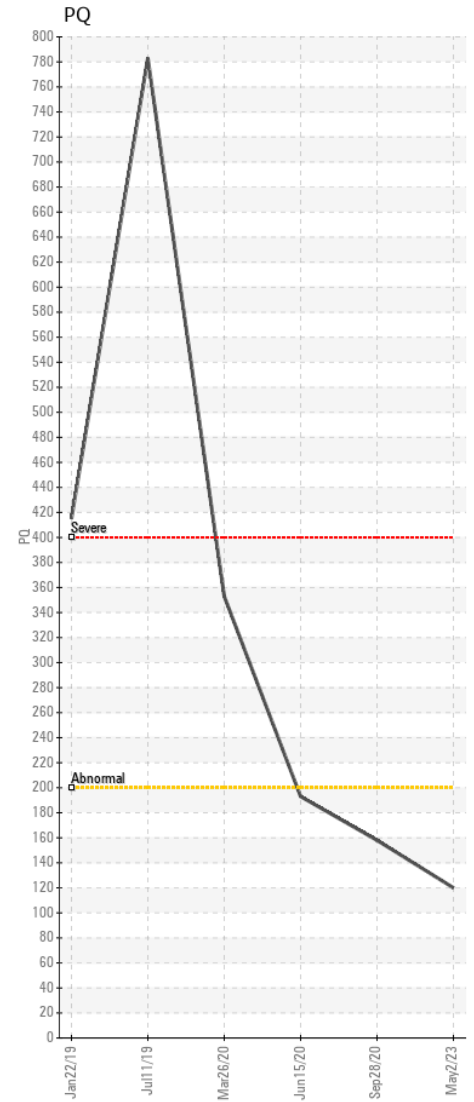
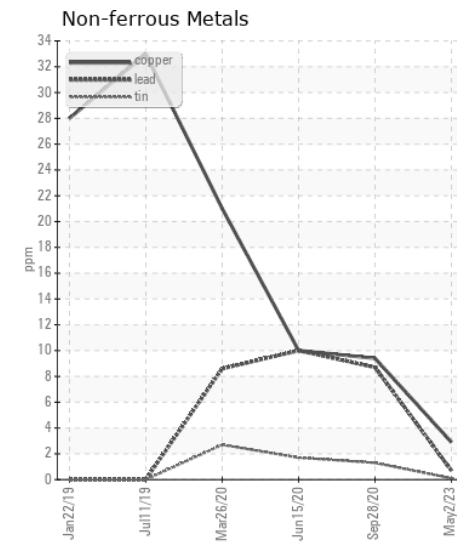
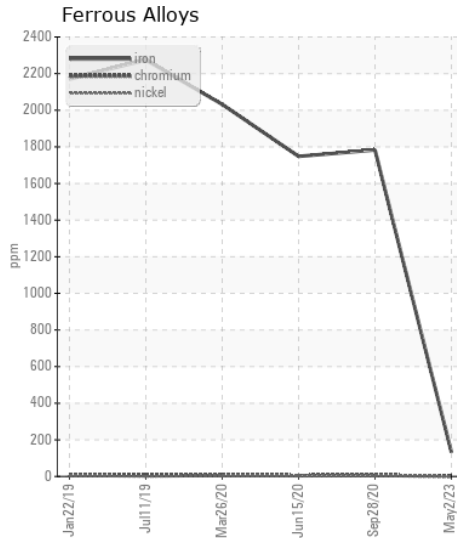
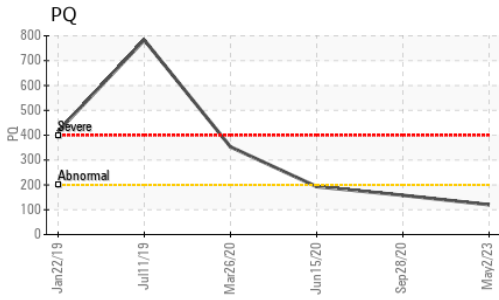
The condition of the grease is acceptable for the time in service.

Boron	ppm	ASTM D5185m		119	172	180
Magnesium	ppm	ASTM D5185m		2	557	709
Manganese	ppm	ASTM D5185m		2	13	10
Molybdenum	ppm	ASTM D5185m		<1	112	41
Phosphorus	ppm	ASTM D5185m		270	74	67
Zinc	ppm	ASTM D5185m		267	441	226
Aluminum	ppm	ASTM D5185m		50	3724	4738
Barium	ppm	ASTM D5185m		<1	34	72
Calcium	ppm	ASTM D5185m		10	130	143
Sodium	ppm	ASTM D5185m		21	109	112
Lithium	ppm	ASTM D5185m		465	---	---
Sulfur	ppm	ASTM D5185m		3545	5045	5381

CONTAMINANTS

There is no indication of any contamination in the component.

Water		WC Method	>0.1	NEG	NEG	NEG
Silicon	ppm	ASTM D5185m	>150	8	7690	10354
Potassium	ppm	ASTM D5185m		5	31	34



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0533219 **Received** : 08 May 2023
Lab Number : 05841792 **Diagnosed** : 16 May 2023
Unique Number : 10465899 **Diagnostician** : Doug Bogart
Test Package : MOB1+ (Additional Tests: PQ)

ASSOCIATED TERMINALS - CRANE

CONVENT, LA
 US 70723
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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)