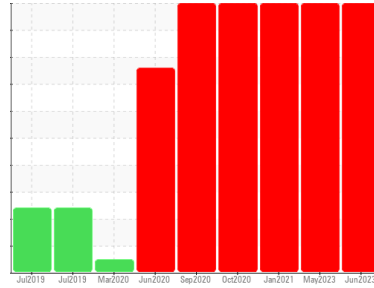




GREASE ANALYSIS

Sample Rating Trend



VISUAL METAL



Machine Id
DON D
 Component
Grease
 Fluid
NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation

Re-sample to verify the actual oil condition. Purge old grease immediately and monitor the trend of iron level. We recommend an early resample to monitor this condition. Please note that the grease was too contaminated to perform some of the normal laboratory tests.

Wear

High concentration of visible metal present. The very high ferrous density (PQ) index indicates that severe wear is occurring.

Grease Condition

The grease is no longer serviceable due to the presence of contaminants.

Contaminants

High concentration of visible dirt/debris present in the grease. There is a high amount of visible silt present in the sample.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0533223	WC0533220	WC0482198
Sample Date	Client Info		09 Jun 2023	02 May 2023	05 Jan 2021
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			SEVERE	SEVERE	SEVERE

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184	>200	20767	21502	1444
Iron	ppm	ASTM D5185m	>250	496	1614
Chromium	ppm	ASTM D5185m	>10	3	12
Nickel	ppm	ASTM D5185m	>5	<1	3
Cadmium	ppm	ASTM D5185m		0	0
Titanium	ppm	ASTM D5185m		<1	22
Vanadium	ppm	ASTM D5185m		0	<1
Lead	ppm	ASTM D5185m	>25	<1	8
Copper	ppm	ASTM D5185m	>75	3	13
Tin	ppm	ASTM D5185m	>5	0	1
Silver	ppm	ASTM D5185m	>5	<1	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		106	132
Magnesium	ppm	ASTM D5185m		2	442
Manganese	ppm	ASTM D5185m		2	11
Molybdenum	ppm	ASTM D5185m		<1	12
Phosphorus	ppm	ASTM D5185m		340	65
Zinc	ppm	ASTM D5185m		134	45
Antimony	ppm	ASTM D5185m		---	1631

THICKENER/SOAP

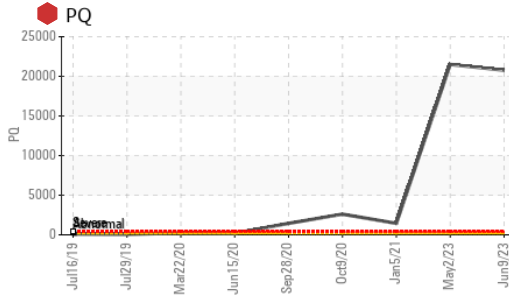
	method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m		36	2783
Barium	ppm	ASTM D5185m		<1	37
Calcium	ppm	ASTM D5185m		3	105
Sodium	ppm	ASTM D5185m		6	98
Lithium	ppm	ASTM D5185m		140	---
Sulfur	ppm	ASTM D5185m		3210	3860

CONTAMINANTS

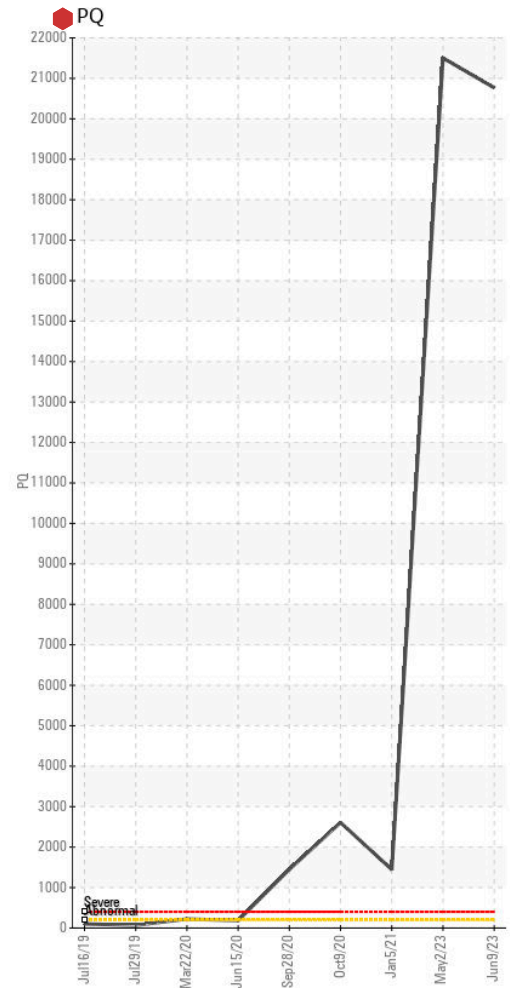
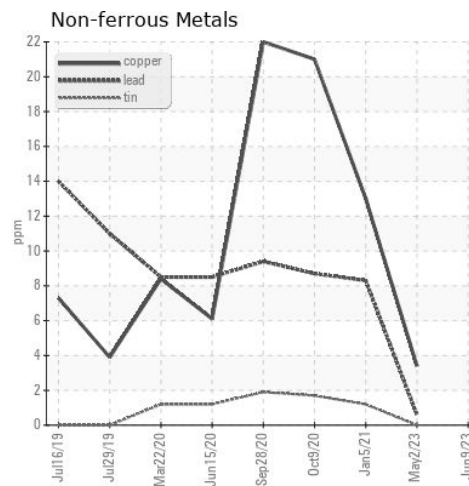
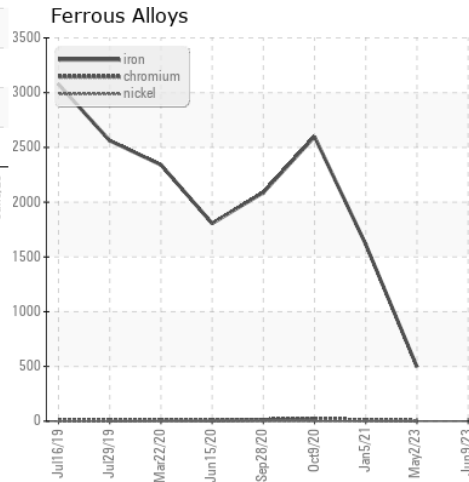
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>150	62	6708
Potassium	ppm	ASTM D5185m		3	20

SAMPLE IMAGES

	method	limit/base	current	history1	history2
Color					
Bottom					



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0533223 **Received** : 16 Jun 2023
Lab Number : 05876350 **Diagnosed** : 29 Jun 2023
Unique Number : 10521453 **Diagnostician** : Doug Bogart
Test Package : MOB1+ (Additional Tests: PQ)

ASSOCIATED TERMINALS - CRANE

CONVENT, LA
 US 70723
 Contact: LONNY BECNEL
 lbecnel@associatedterminals.com
 T: (225)562-3919
 F: (225)562-3515

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)