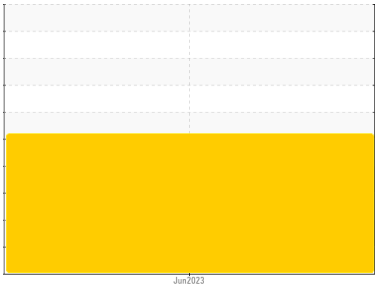
PROBLEM SUMMARY

Sample Rating Trend

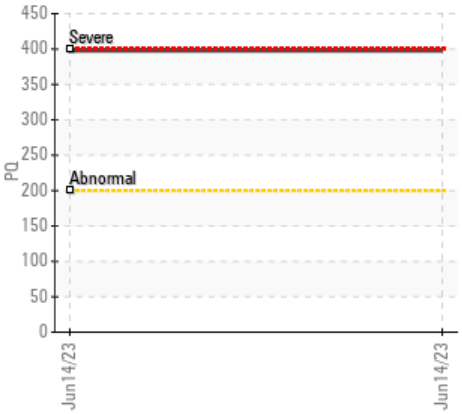


WEAR

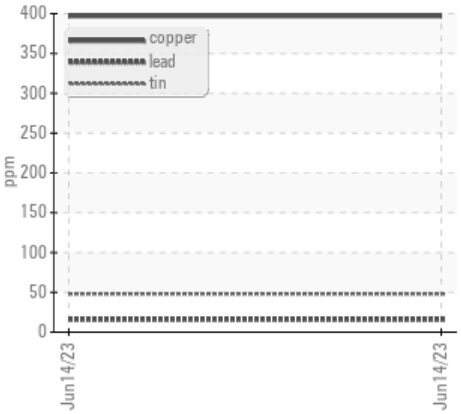
Area
AOD CONVERTER TILTING WEST
Machine Id
CONVERTER TILTING CHARLES DEVAULT
Component
Grease
Fluid
MOBIL HTS LITHIUM COMPLEX (--- QTS)

COMPONENT CONDITION SUMMARY

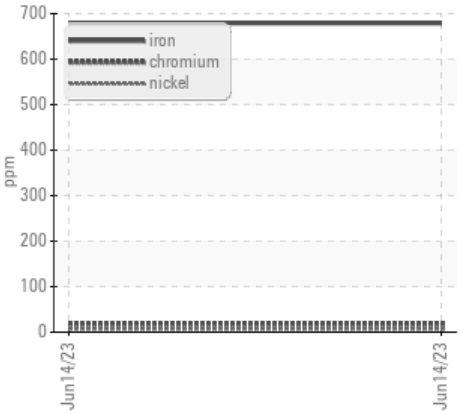
PQ



Non-ferrous Metals



Ferrous Alloys



RECOMMENDATION

Re-sample to verify the actual grease condition. Purge old grease if still abnormal and monitor the trend of iron level.

PROBLEMATIC TEST RESULTS

Sample Status				**ABNORMAL**	---	---
PQ		ASTM D8184	>200	▲ **398**	---	---
Iron	ppm	ASTM D5185m	>250	▲ **679**	---	---
Lead	ppm	ASTM D5185m	>25	▲ **16**	---	---
Copper	ppm	ASTM D5185m	>75	▲ **397**	---	---
Tin	ppm	ASTM D5185m	>5	▲ **48**	---	---

Customer Id: OUTCALAL
Sample No.: RP0035522
Lab Number: 05875177
Test Package: IND 2

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

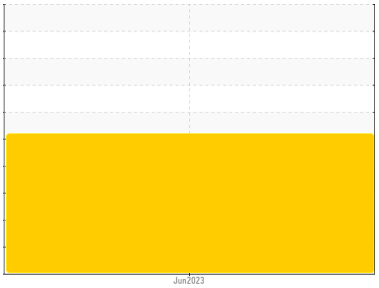
RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Monitor	---	---	?	Re-sample to verify the actual oil condition. Purge old grease if still abnormal and monitor the trend of iron level.
Change Fluid	---	---	?	Re-sample to verify the actual oil condition. Purge old grease if still abnormal and monitor the trend of iron level.
Resample	---	---	?	Re-sample to verify the actual oil condition. Purge old grease if still abnormal and monitor the trend of iron level.

HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Sample Rating Trend



WEAR

Area
AOD CONVERTER TILTING WEST
Machine Id
CONVERTER TILTING CHARLES DEVAULT
Component
Grease
Fluid
MOBIL HTS LITHIUM COMPLEX (--- QTS)

DIAGNOSIS

Recommendation
Re-sample to verify the actual grease condition. Purge old grease if still abnormal and monitor the trend of iron level.

Wear
Bearing and/or bushing wear is indicated.

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.

SAMPLE INFORMATION		method	limit/base	current	history 1	history 2
Sample Number		Client Info		**RP0035522**	---	---
Sample Date		Client Info		**14 Jun 2023**	---	---
Machine Age	hrs	Client Info		**0**	---	---
Grease Age	hrs	Client Info		**0**	---	---
Grease Serviced		Client Info		**N/A**	---	---
Sample Status				**ABNORMAL**	---	---

WEAR METALS		method	limit/base	current	history 1	history 2
PQ		ASTM D8184	>200	▲ **398**	---	---
Iron	ppm	ASTM D5185m	>250	▲ **679**	---	---
Chromium	ppm	ASTM D5185m	>10	**18**	---	---
Nickel	ppm	ASTM D5185m	>5	**7**	---	---
Titanium	ppm	ASTM D5185m		**1**	---	---
Silver	ppm	ASTM D5185m	>5	**4**	---	---
Aluminum	ppm	ASTM D5185m		**12**	---	---
Lead	ppm	ASTM D5185m	>25	▲ **16**	---	---
Copper	ppm	ASTM D5185m	>75	▲ **397**	---	---
Tin	ppm	ASTM D5185m	>5	▲ **48**	---	---
Vanadium	ppm	ASTM D5185m		**<1**	---	---
Cadmium	ppm	ASTM D5185m		**0**	---	---

ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m		**182**	---	---
Barium	ppm	ASTM D5185m		**21**	---	---
Molybdenum	ppm	ASTM D5185m		**105**	---	---
Manganese	ppm	ASTM D5185m		**127**	---	---
Magnesium	ppm	ASTM D5185m		**52**	---	---
Calcium	ppm	ASTM D5185m		**273**	---	---
Phosphorus	ppm	ASTM D5185m		**1415**	---	---
Zinc	ppm	ASTM D5185m		**1232**	---	---
Lithium	ppm	ASTM D5185m		**1047**	---	---

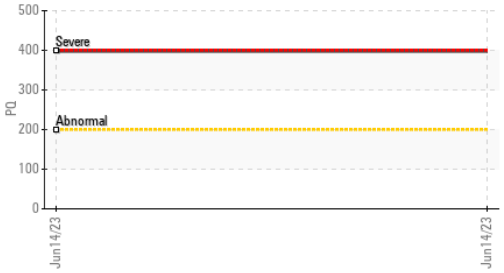
CONTAMINANTS		method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>150	**44**	---	---
Sodium	ppm	ASTM D5185m		**32**	---	---
Potassium	ppm	ASTM D5185m	>20	**8**	---	---

VISUAL		method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	**NONE**	---	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	---	---
Precipitate	scalar	*Visual	NONE	**NONE**	---	---
Silt	scalar	*Visual	NONE	**NONE**	---	---
Debris	scalar	*Visual	NONE	**NONE**	---	---
Sand/Dirt	scalar	*Visual	NONE	**NONE**	---	---
Appearance	scalar	*Visual	NORML	**SOLID**	---	---
Odor	scalar	*Visual	NORML	**NORML**	---	---
Emulsified Water	scalar	*Visual	>0.1	**NEG**	---	---
Free Water	scalar	*Visual		**NEG**	---	---

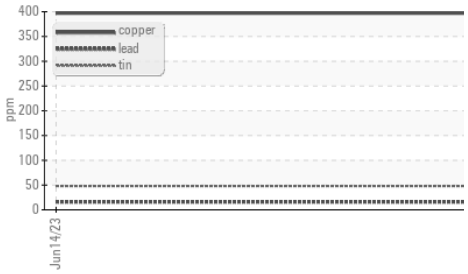
OIL ANALYSIS REPORT

PERFORMANCE UNDER PRESSURE

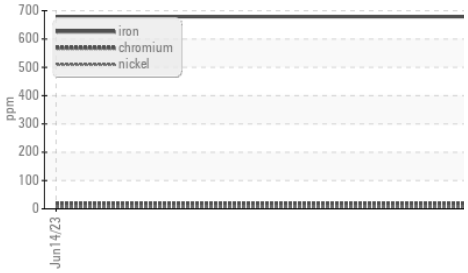
PQ

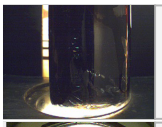


Non-ferrous Metals



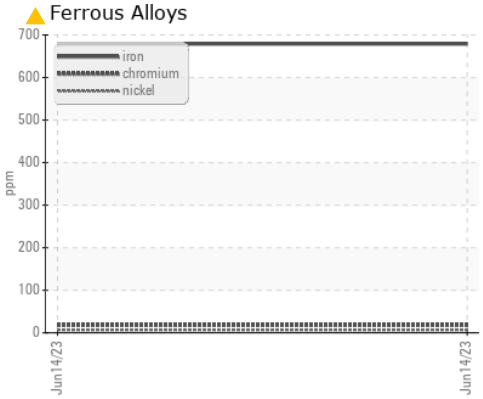
Ferrous Alloys



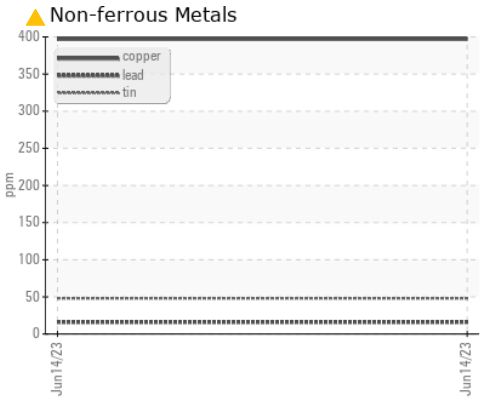
SAMPLE IMAGES	method	limit/base	current	history 1	history 2
Color				*no image*	*no image*
Bottom				*no image*	*no image*

GRAPHS

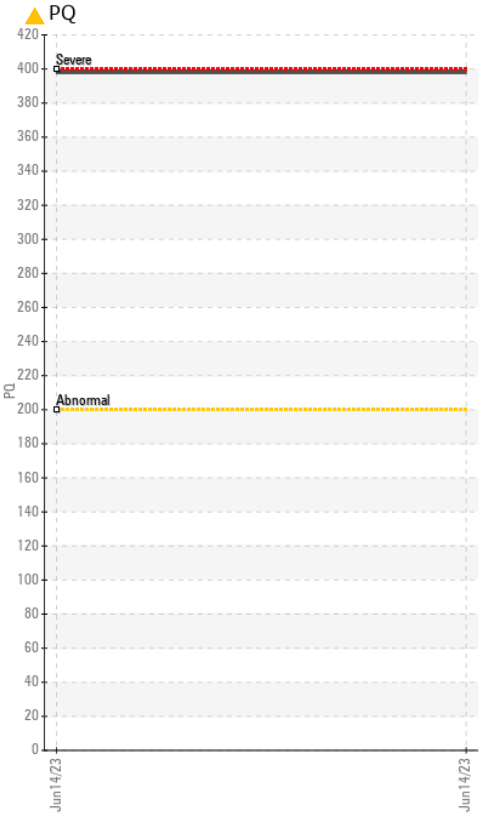
Ferrous Alloys



Non-ferrous Metals



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0035522 **Received** : 15 Jun 2023
Lab Number : 05875177 **Diagnosed** : 06 Jul 2023
Unique Number : 10520280 **Diagnostician** : Doug Bogart
Test Package : IND 2 (Additional Tests: PQ)

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)

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