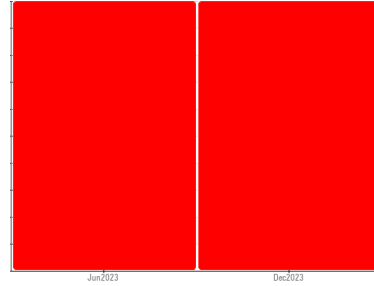


# PROBLEM SUMMARY

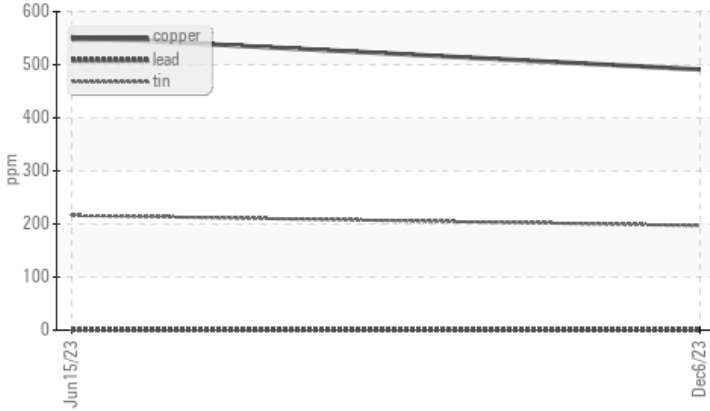
Area  
**PHASE 2 PH 2**  
 Machine Id  
**HT 26**  
 Component  
**Agitator Gearbox**  
 Fluid  
**NOT GIVEN (--- LTR)**

Sample Rating Trend

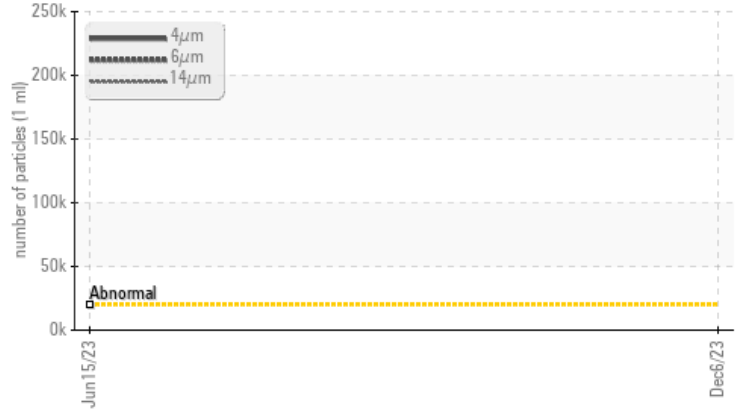


## COMPONENT CONDITION SUMMARY

Non-ferrous Metals



Particle Trend



## RECOMMENDATION

We recommend you service the filters on this component if applicable. We recommend an early resample to monitor this condition.

## PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	SEVERE	---
Copper	ppm	ASTM D5185m	>50	491	552	---
Tin	ppm	ASTM D5185m	>10	197	216	---
Particles >4µm		ASTM D7647	>20000	246817	---	---
Particles >6µm		ASTM D7647	>5000	99055	---	---
Particles >14µm		ASTM D7647	>640	6544	---	---
Particles >21µm		ASTM D7647	>160	1709	---	---
Particles >38µm		ASTM D7647	>40	113	---	---
Particles >71µm		ASTM D7647	>10	12	---	---
Oil Cleanliness		ISO 4406 (c)	>21/19/16	25/24/20	---	---

Customer Id: KRAMASIOW  
 Sample No.: PCA0111048  
 Lab Number: 06030525  
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Don Baldrige +1  
[don.b505@comcast.net](mailto:don.b505@comcast.net)

To change component or sample information:  
 Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter	---	---	?	We recommend you service the filters on this component if applicable.
Resample	---	---	?	We recommend an early resample to monitor this condition.

## HISTORICAL DIAGNOSIS

15 Jun 2023 Diag: Doug Bogart

### WEAR



We recommend you service the filters on this component if applicable. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample. Bearing and/or gear wear is indicated. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid.

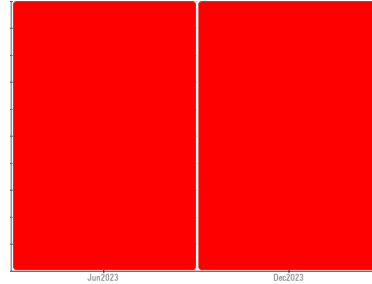
view report



# OIL ANALYSIS REPORT

Sample Rating Trend

**WEAR**



Area  
**PHASE 2 PH 2**  
Machine Id  
**HT 26**  
Component  
**Agitator Gearbox**  
Fluid  
**NOT GIVEN (--- LTR)**

## DIAGNOSIS

### Recommendation

We recommend you service the filters on this component if applicable. We recommend an early resample to monitor this condition.

### Wear

Bearing and/or gear wear is indicated.

### Contamination

There is a high amount of particulates present in the oil.

### Fluid Condition

The AN level is acceptable for this fluid.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA0111048</b>	USP244676	---
Sample Date	Client Info		<b>06 Dec 2023</b>	15 Jun 2023	---
Machine Age	hrs	Client Info	<b>0</b>	0	---
Oil Age	hrs	Client Info	<b>0</b>	0	---
Oil Changed	Client Info		<b>Not Chngd</b>	N/A	---
Sample Status			<b>SEVERE</b>	SEVERE	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	NEG	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >150	<b>30</b>	40	---
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m >10	<b>&lt;1</b>	1	---
Titanium	ppm	ASTM D5185m	<b>0</b>	0	---
Silver	ppm	ASTM D5185m	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >25	<b>&lt;1</b>	1	---
Lead	ppm	ASTM D5185m >100	<b>0</b>	<1	---
Copper	ppm	ASTM D5185m >50	<b>491</b>	552	---
Tin	ppm	ASTM D5185m >10	<b>197</b>	216	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>51</b>	47	---
Barium	ppm	ASTM D5185m	<b>0</b>	2	---
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0	---
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m	<b>0</b>	<1	---
Calcium	ppm	ASTM D5185m	<b>0</b>	1	---
Phosphorus	ppm	ASTM D5185m	<b>640</b>	644	---
Zinc	ppm	ASTM D5185m	<b>10</b>	27	---
Sulfur	ppm	ASTM D5185m	<b>18677</b>	22113	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	<b>17</b>	3	---
Sodium	ppm	ASTM D5185m	<b>2</b>	<1	---
Potassium	ppm	ASTM D5185m >20	<b>0</b>	<1	---

## FLUID CLEANLINESS

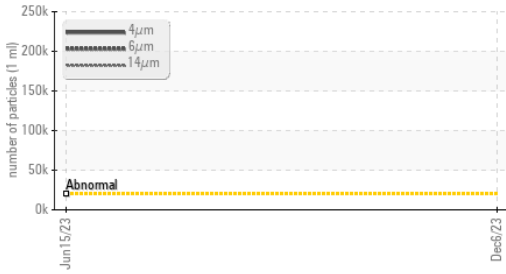
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>20000	<b>246817</b>	---	---
Particles >6µm	ASTM D7647	>5000	<b>99055</b>	---	---
Particles >14µm	ASTM D7647	>640	<b>6544</b>	---	---
Particles >21µm	ASTM D7647	>160	<b>1709</b>	---	---
Particles >38µm	ASTM D7647	>40	<b>113</b>	---	---
Particles >71µm	ASTM D7647	>10	<b>12</b>	---	---
Oil Cleanliness	ISO 4406 (c)	>21/19/16	<b>25/24/20</b>	---	---

## FLUID DEGRADATION

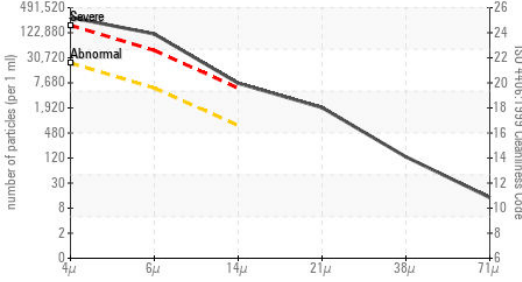
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>2.762</b>	2.63	---

# OIL ANALYSIS REPORT

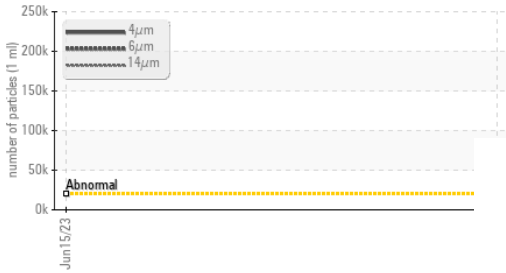
## Particle Trend



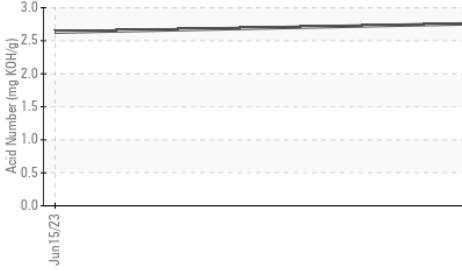
## Particle Count



## Particle Trend



## Acid Number



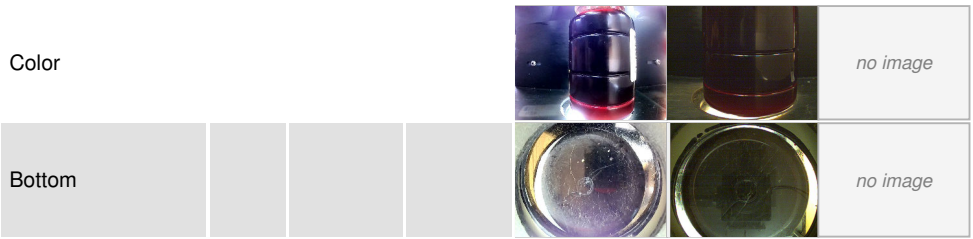
## Viscosity @ 40°C



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

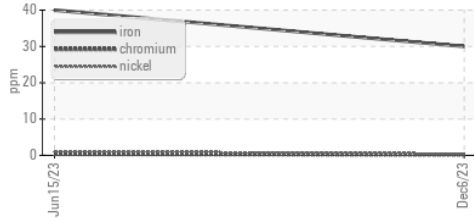
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	201	200	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------

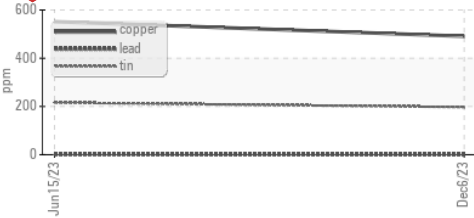


## GRAPHS

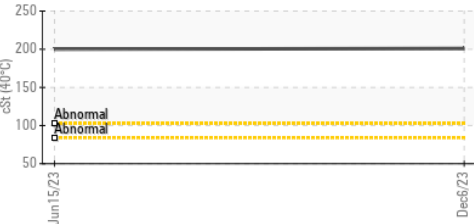
### Ferrous Alloys



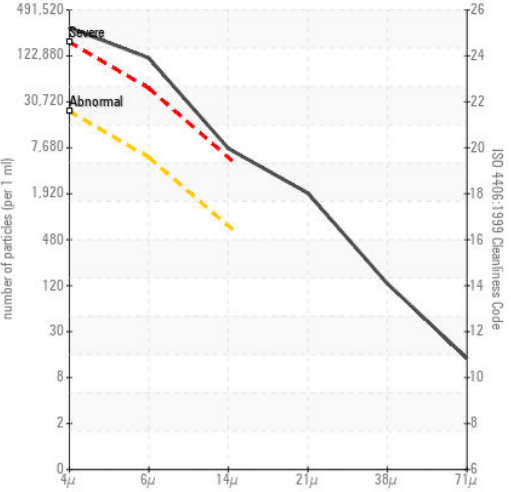
### Non-ferrous Metals



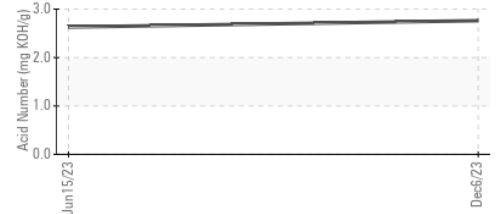
### Viscosity @ 40°C



### Particle Count



### Acid Number



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0111048 **Received** : 11 Dec 2023  
**Lab Number** : 06030525 **Diagnosed** : 13 Dec 2023  
**Unique Number** : 10780316 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: PrtCount )

**KraftHeinz - Mason City - Plant 8360**  
 1022 12TH ST  
 MASON CITY, IA  
 US 50401  
 Contact: Service Manager

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: (641)421-2936