

# PROBLEM SUMMARY

Area  
**[98331669]**  
 Machine Id  
**KR-GR-001010 LIFT - DEMOLD MANIPLUX CRANE**  
 Component  
**Gearbox**  
 Fluid  
**GEAR OIL ISO 460 (--- GAL)**

Sample Rating Trend



**SEDIMENT**



## COMPONENT CONDITION SUMMARY

No relevant graphs to display

## RECOMMENDATION

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

## PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Silt	scalar	*Visual	NONE	▲ <b>HEAVY</b>	---	---
Debris	scalar	*Visual	NONE	▲ <b>MODER</b>	---	---

Customer Id: KRAKIR  
 Sample No.: PCA0102558  
 Lab Number: 05924825  
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Jonathan Hester +1 919-379-4092 x4092  
[jhester@wearcheckusa.com](mailto:jhester@wearcheckusa.com)

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.
Alert	---	---	?	We were unable to perform a particle count due to a high concentration of particles present in this sample.

## HISTORICAL DIAGNOSIS

# OIL ANALYSIS REPORT

Sample Rating Trend

**SEDIMENT**

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**[98331669]**  
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## DIAGNOSIS

**Recommendation**  
 We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

**Wear**  
 All component wear rates are normal.

**Contamination**  
 Moderate concentration of visible dirt/debris present in the oil. There is a high amount of visible silt present in the sample.

**Fluid Condition**  
 The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PCA0102558</b>	---	---
Sample Date	Client Info	<b>10 Aug 2023</b>	---	---
Machine Age	hrs Client Info	<b>0</b>	---	---
Oil Age	hrs Client Info	<b>0</b>	---	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>ABNORMAL</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>200	<b>191</b>	---	---
Chromium ppm ASTM D5185m	>15	<b>1</b>	---	---
Nickel ppm ASTM D5185m	>15	<b>&lt;1</b>	---	---
Titanium ppm ASTM D5185m		<b>&lt;1</b>	---	---
Silver ppm ASTM D5185m		<b>0</b>	---	---
Aluminum ppm ASTM D5185m	>25	<b>2</b>	---	---
Lead ppm ASTM D5185m	>100	<b>2</b>	---	---
Copper ppm ASTM D5185m	>200	<b>&lt;1</b>	---	---
Tin ppm ASTM D5185m	>25	<b>0</b>	---	---
Vanadium ppm ASTM D5185m		<b>0</b>	---	---
Cadmium ppm ASTM D5185m		<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m	50	<b>0</b>	---	---
Barium ppm ASTM D5185m	15	<b>2</b>	---	---
Molybdenum ppm ASTM D5185m	15	<b>127</b>	---	---
Manganese ppm ASTM D5185m		<b>2</b>	---	---
Magnesium ppm ASTM D5185m	50	<b>8</b>	---	---
Calcium ppm ASTM D5185m	50	<b>27</b>	---	---
Phosphorus ppm ASTM D5185m	350	<b>490</b>	---	---
Zinc ppm ASTM D5185m	100	<b>109</b>	---	---
Sulfur ppm ASTM D5185m	12500	<b>8039</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>50	<b>13</b>	---	---
Sodium ppm ASTM D5185m		<b>11</b>	---	---
Potassium ppm ASTM D5185m	>20	<b>28</b>	---	---

## FLUID DEGRADATION

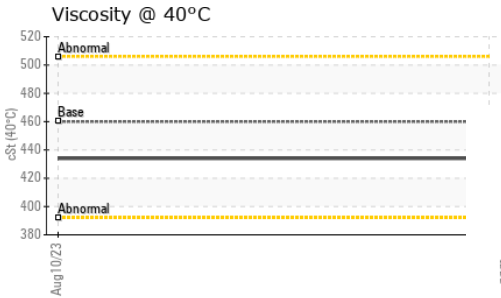
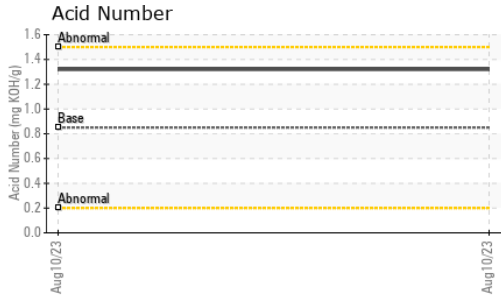
method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045	0.85	<b>1.32</b>	---	---

## VISUAL

method	limit/base	current	history1	history2
White Metal scalar *Visual	NONE	<b>LIGHT</b>	---	---
Yellow Metal scalar *Visual	NONE	<b>NONE</b>	---	---
Precipitate scalar *Visual	NONE	<b>NONE</b>	---	---
Silt scalar *Visual	NONE	<b>▲ HEAVY</b>	---	---
Debris scalar *Visual	NONE	<b>▲ MODER</b>	---	---
Sand/Dirt scalar *Visual	NONE	<b>NONE</b>	---	---
Appearance scalar *Visual	NORML	<b>NORML</b>	---	---
Odor scalar *Visual	NORML	<b>NORML</b>	---	---
Emulsified Water scalar *Visual	>0.2	<b>NEG</b>	---	---
Free Water scalar *Visual		<b>NEG</b>	---	---



# OIL ANALYSIS REPORT

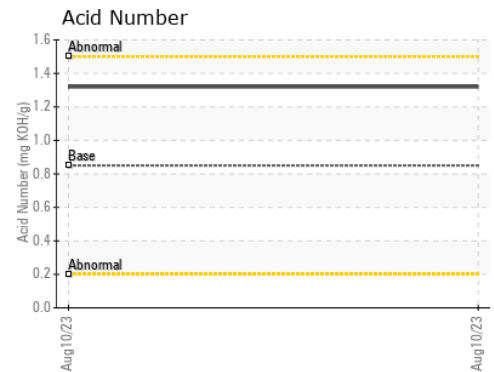
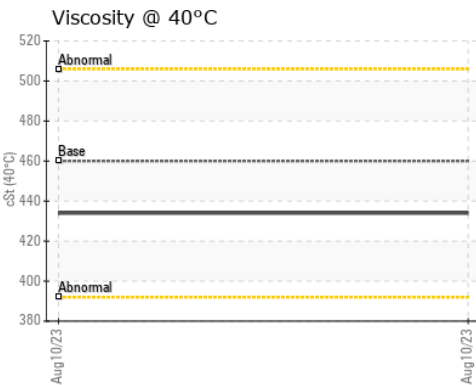
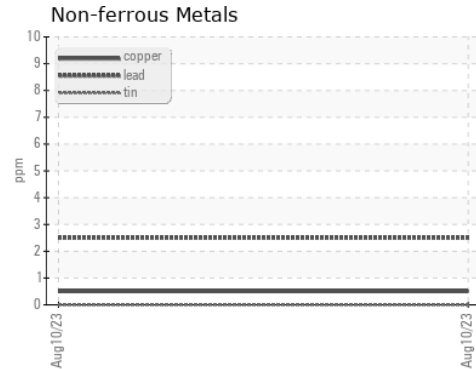
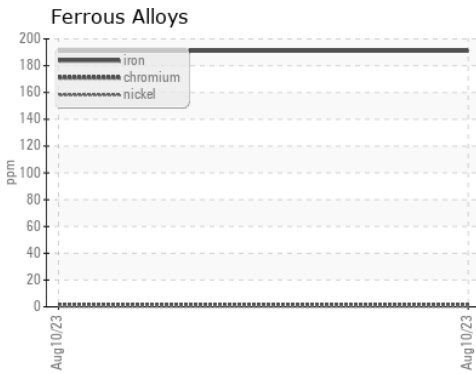


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	460	<b>434</b>	---	---

SAMPLE IMAGES		method	limit/base	current	history1	history2
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Color			no image	no image
Bottom			no image	no image

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0102558 **Received** : 15 Aug 2023  
**Lab Number** : 05924825 **Diagnosed** : 16 Aug 2023  
**Unique Number** : 10604772 **Diagnostician** : Jonathan Hester  
**Test Package** : IND 2 ( Additional Tests: PrtCount )

**KraftHeinz - Kirksville - Plant 8333 PCA**  
 2504 INDUSTRIAL DR  
 KIRKSVILLE, MO  
 US 63501  
 Contact: WALLACE WARD  
 wallace.ward@kraftheinzcompany.com  
 T: (660)627-1031  
 F: (660)627-5887

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)