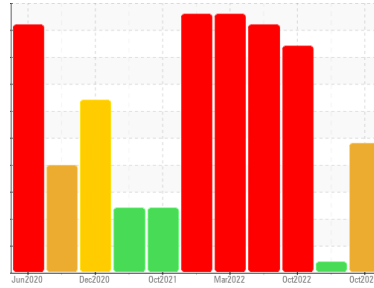


# PROBLEM SUMMARY

Area  
**[98581994]**  
 Machine Id  
**KR-GR-003528 - MIXER SOUTH AGITATOR (S/N TUMBLE ROOM - 11558194)**  
 Component  
**Gearbox**  
 Fluid  
**GEAR OIL ISO 220 (--- GAL)**

Sample Rating Trend



**WATER**



## COMPONENT CONDITION SUMMARY

No relevant graphs to display

## RECOMMENDATION

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

## PROBLEMATIC TEST RESULTS

Sample Status			SEVERE	ABNORMAL	SEVERE
Free Water	scalar	*Visual	<span style="color: red;">●</span> >10%	NEG	<span style="color: red;">●</span> 5.0

**Customer Id:** KRAKIR  
**Sample No.:** PCA0051942  
**Lab Number:** 05981205  
**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 Fluid	---	---	?	We recommend that you drain the oil from the component if this has not already been done.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Check Water Access	---	---	?	We advise that you check for the source of water entry.

## HISTORICAL DIAGNOSIS

### 01 Jan 2023 Diag: Don Baldrige

#### VIS DEBRIS



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

view report



### 13 Oct 2022 Diag: Jonathan Hester

#### WATER



We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. All component wear rates are normal. Excessive free water present. There is a high concentration of water present in the oil. Viscosity of sample indicates oil is within ISO 460 range, advise investigate. Confirm oil type. The oil is no longer serviceable due to the presence of contaminants.

view report



### 03 Jul 2022 Diag: Jonathan Hester

#### WATER



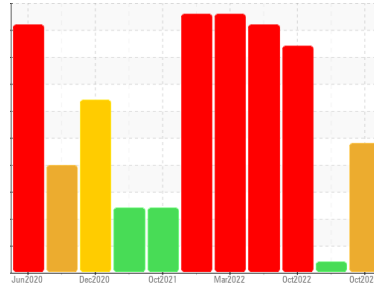
We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. All component wear rates are normal. Appearance is milky. Free water present. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

view report



# OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Area  
**[98581994]**  
 Machine Id  
**KR-GR-003528 - MIXER SOUTH AGITATOR (S/N TUMBLE ROOM - 11558194)**  
 Component  
**Gearbox**  
 Fluid  
**GEAR OIL ISO 220 (--- GAL)**

## DIAGNOSIS

### Recommendation

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

### Wear

All component wear rates are normal.

### Contamination

Excessive free water present.

### Fluid Condition

The AN level is acceptable for this fluid. The oil is no longer serviceable due to the presence of contaminants.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA0051942</b>	PCA0081587	PCA0081834
Sample Date	Client Info		<b>28 Oct 2023</b>	01 Jan 2023	13 Oct 2022
Machine Age	hrs	Client Info	<b>0</b>	0	0
Oil Age	hrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>SEVERE</b>	ABNORMAL	SEVERE

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	<b>3</b>	1	27
Chromium	ppm	ASTM D5185m >15	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m >15	<b>0</b>	<1	2
Titanium	ppm	ASTM D5185m	<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>0</b>	0	0
Lead	ppm	ASTM D5185m >100	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m >200	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185m >25	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	<1
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	<1

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 50	<b>0</b>	0	4
Barium	ppm	ASTM D5185m 15	<b>0</b>	0	1
Molybdenum	ppm	ASTM D5185m 15	<b>1</b>	<1	11
Manganese	ppm	ASTM D5185m	<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m 50	<b>0</b>	1	<1
Calcium	ppm	ASTM D5185m 50	<b>0</b>	2	11
Phosphorus	ppm	ASTM D5185m 350	<b>374</b>	448	144
Zinc	ppm	ASTM D5185m 100	<b>0</b>	2	6
Sulfur	ppm	ASTM D5185m 12500	<b>1036</b>	979	3047

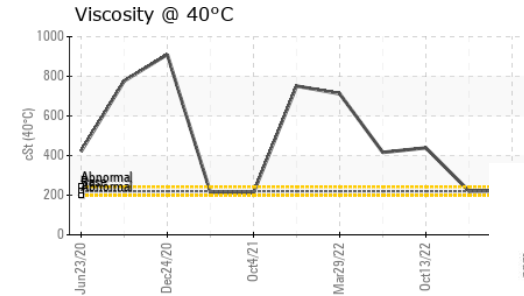
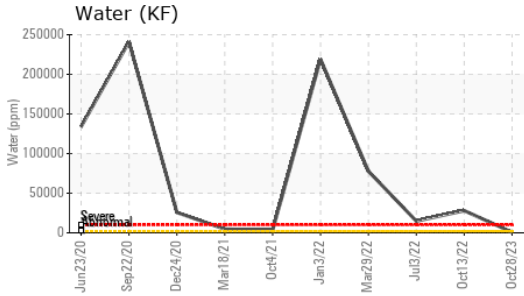
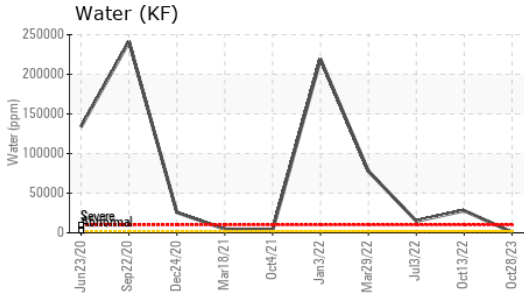
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	<b>1</b>	2	4
Sodium	ppm	ASTM D5185m	<b>0</b>	0	4
Potassium	ppm	ASTM D5185m >20	<b>0</b>	1	0
Water	%	ASTM D6304 >0.2	<b>0.069</b>	---	2.80
ppm Water	ppm	ASTM D6304 >2000	<b>690</b>	---	28000

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.85	<b>0.47</b>	---	---

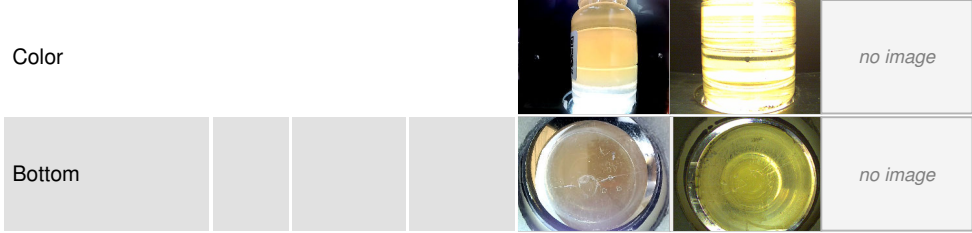
# OIL ANALYSIS REPORT



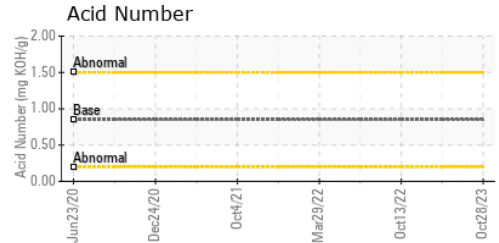
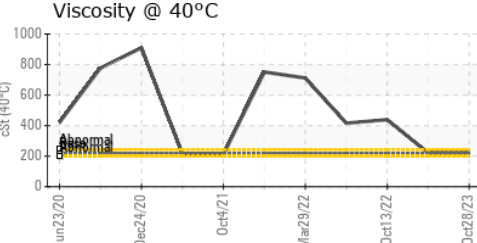
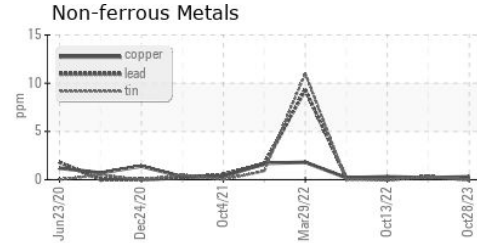
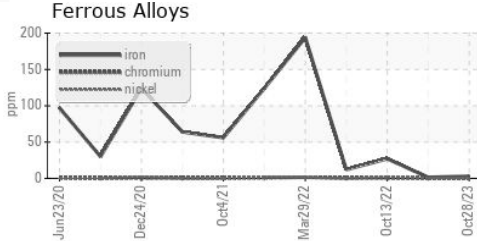
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE NONE
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	▲ MODER NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML NORML
Emulsified Water	scalar	*Visual	>0.2	<b>0.2%</b>	NEG 0.2%
Free Water	scalar	*Visual		<b>&gt;10%</b>	NEG 5.0

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	220	<b>223</b>	221 ▲ 439

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0051942 **Received** : 17 Oct 2023  
**Lab Number** : 05981205 **Diagnosed** : 20 Oct 2023  
**Unique Number** : 10698500 **Diagnostician** : Don Baldrige

**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)