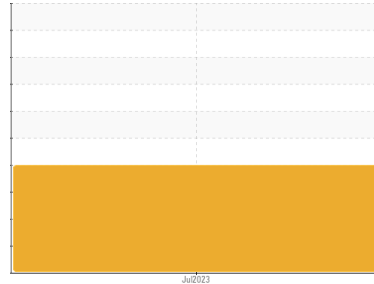


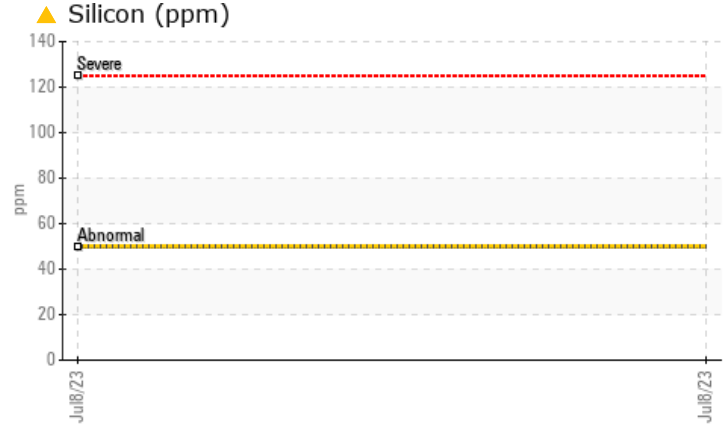
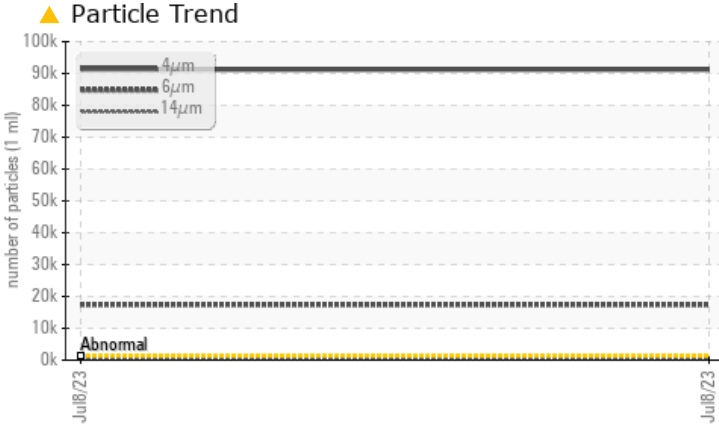
# PROBLEM SUMMARY

Area  
**PROCESS CHEESE [98316341]**  
 Machine Id  
**SOUTH/SOUTH SCREW FEED**  
 Component  
**Gearbox**  
 Fluid  
**GEAR OIL ISO 320 (--- GAL)**

Sample Rating Trend



## COMPONENT CONDITION SUMMARY



## RECOMMENDATION

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status	ABNORMAL	---	---
Silicon ppm ASTM D5185m >50	▲ 50	---	---
Particles >4µm ASTM D7647 >1300	▲ 91224	---	---
Particles >6µm ASTM D7647 >320	▲ 17397	---	---
Particles >14µm ASTM D7647 >80	▲ 672	---	---
Particles >21µm ASTM D7647 >20	▲ 140	---	---
Particles >38µm ASTM D7647 >4	▲ 6	---	---
Oil Cleanliness ISO 4406 (c) >17/15/13	▲ 24/21/17	---	---

Customer Id: KRASPRMO  
 Sample No.: PCA0100118  
 Lab Number: 05898565  
 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.

## HISTORICAL DIAGNOSIS

# OIL ANALYSIS REPORT

Sample Rating Trend



Area  
**PROCESS CHEESE [98316341]**  
 Machine Id  
**SOUTH/SOUTH SCREW FEED**  
 Component  
**Gearbox**  
 Fluid  
**GEAR OIL ISO 320 (--- GAL)**

## DIAGNOSIS

**Recommendation**  
 We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

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

**Contamination**  
 There is a high amount of particulates present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material.

**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>PCA0100118</b>	---	---
Sample Date	Client Info	<b>08 Jul 2023</b>	---	---
Machine Age	hrs Client Info	<b>0</b>	---	---
Oil Age	hrs Client Info	<b>0</b>	---	---
Oil Changed	Client Info	<b>Changed</b>	---	---
Sample Status		<b>ABNORMAL</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>200	<b>38</b>	---	---
Chromium ppm ASTM D5185m	>15	<b>&lt;1</b>	---	---
Nickel ppm ASTM D5185m	>15	<b>0</b>	---	---
Titanium ppm ASTM D5185m		<b>0</b>	---	---
Silver ppm ASTM D5185m		<b>0</b>	---	---
Aluminum ppm ASTM D5185m	>25	<b>0</b>	---	---
Lead ppm ASTM D5185m	>100	<b>0</b>	---	---
Copper ppm ASTM D5185m	>200	<b>0</b>	---	---
Tin ppm ASTM D5185m	>25	<b>0</b>	---	---
Vanadium ppm ASTM D5185m		<b>&lt;1</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>0</b>	---	---
Molybdenum ppm ASTM D5185m	15	<b>0</b>	---	---
Manganese ppm ASTM D5185m		<b>&lt;1</b>	---	---
Magnesium ppm ASTM D5185m	50	<b>3</b>	---	---
Calcium ppm ASTM D5185m	50	<b>0</b>	---	---
Phosphorus ppm ASTM D5185m	350	<b>42</b>	---	---
Zinc ppm ASTM D5185m	100	<b>0</b>	---	---
Sulfur ppm ASTM D5185m	12500	<b>4</b>	---	---

## CONTAMINANTS

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

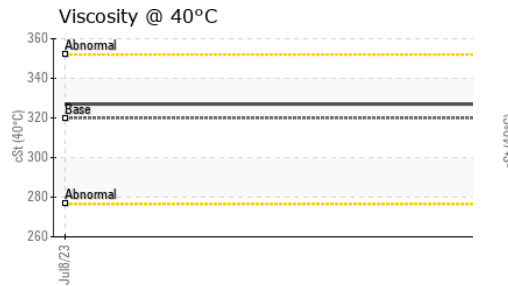
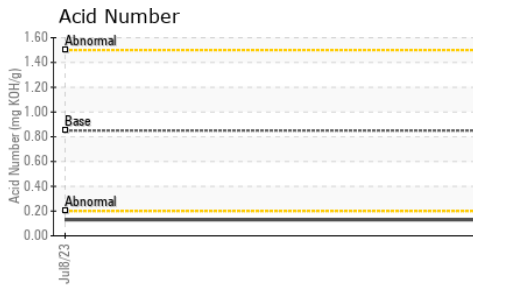
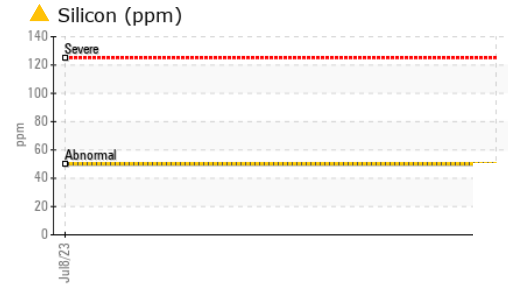
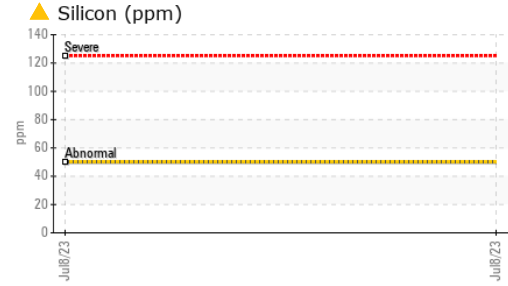
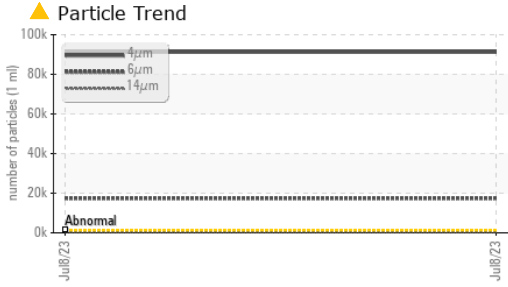
## FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm ASTM D7647	>1300	<b>▲ 91224</b>	---	---
Particles >6µm ASTM D7647	>320	<b>▲ 17397</b>	---	---
Particles >14µm ASTM D7647	>80	<b>▲ 672</b>	---	---
Particles >21µm ASTM D7647	>20	<b>▲ 140</b>	---	---
Particles >38µm ASTM D7647	>4	<b>▲ 6</b>	---	---
Particles >71µm ASTM D7647	>3	<b>2</b>	---	---
Oil Cleanliness ISO 4406 (c)	>17/15/13	<b>▲ 24/21/17</b>	---	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045	0.85	<b>0.13</b>	---	---

# OIL ANALYSIS REPORT



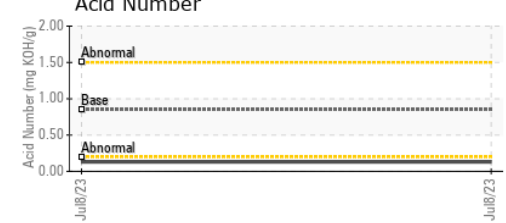
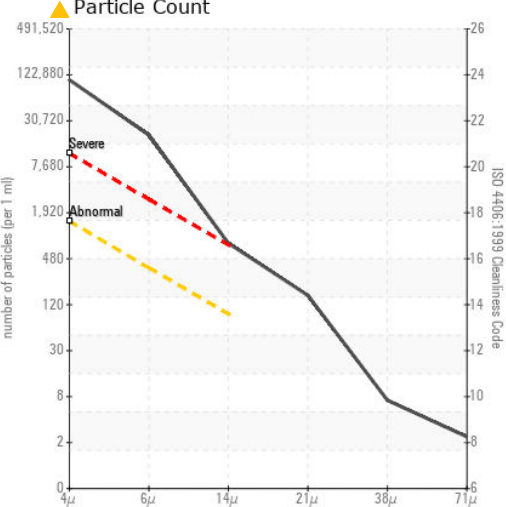
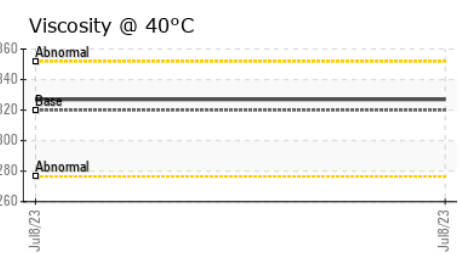
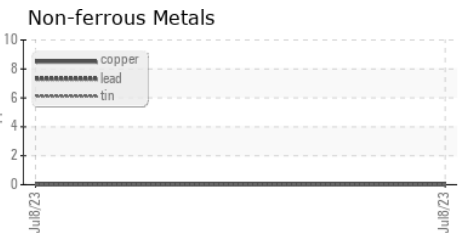
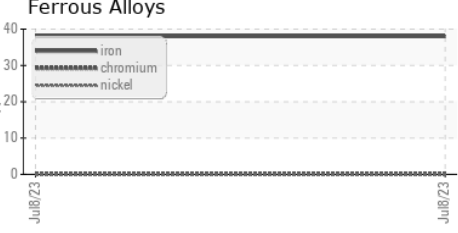
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>LIGHT</b>	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---
Sand/Dirt	scalar	*Visual	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>	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	320	<b>327</b>	---

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0100118 **Received** : 14 Jul 2023  
**Lab Number** : 05898565 **Diagnosed** : 17 Jul 2023  
**Unique Number** : 10559921 **Diagnostician** : Jonathan Hester  
**Test Package** : IND 2 ( Additional Tests: PrtCount )

**KraftHeinz - Springfield - Plant 8311 PCA**  
 2035 E BENNETT  
 SPRINGFIELD, MO  
 US 65804  
 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)