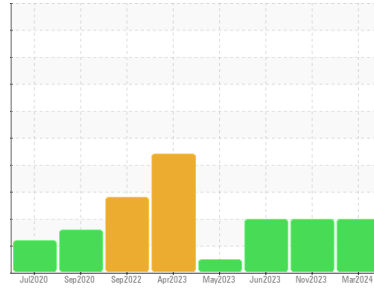


Area  
**PASTA [98827160]**  
 Machine Id  
**C PRESS MAIN MIXER ROTOMISSION**  
 Component  
**Gearbox**  
 Fluid  
**GEAR OIL ISO 150 (--- GAL)**



## DIAGNOSIS

- Recommendation**  
The oil change at the time of sampling has been noted. 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.
- Fluid Condition**  
The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PCA0117994</b>	PCA0083736	PCA0076162
Sample Date	Client Info	<b>14 Mar 2024</b>	04 Nov 2023	17 Jun 2023
Machine Age	hrs	<b>0</b>	0	0
Oil Age	hrs	<b>0</b>	0	0
Oil Changed	Client Info	<b>Changed</b>	Changed	Changed
Sample Status		<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

## CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.2	<b>NEG</b>	NEG	NEG

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >200	<b>11</b>	3	3
Chromium	ppm ASTM D5185m >15	<b>&lt;1</b>	0	0
Nickel	ppm ASTM D5185m >15	<b>&lt;1</b>	0	0
Titanium	ppm ASTM D5185m	<b>&lt;1</b>	0	0
Silver	ppm ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm ASTM D5185m >25	<b>2</b>	1	2
Lead	ppm ASTM D5185m >100	<b>6</b>	7	6
Copper	ppm ASTM D5185m >200	<b>&lt;1</b>	0	0
Tin	ppm ASTM D5185m >25	<b>&lt;1</b>	0	0
Vanadium	ppm ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm ASTM D5185m	<b>&lt;1</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 50	<b>0</b>	0	0
Barium	ppm ASTM D5185m 15	<b>&lt;1</b>	0	0
Molybdenum	ppm ASTM D5185m 15	<b>&lt;1</b>	0	0
Manganese	ppm ASTM D5185m	<b>&lt;1</b>	0	0
Magnesium	ppm ASTM D5185m 50	<b>&lt;1</b>	0	<1
Calcium	ppm ASTM D5185m 50	<b>8</b>	0	1
Phosphorus	ppm ASTM D5185m 350	<b>452</b>	60	100
Zinc	ppm ASTM D5185m 100	<b>2</b>	0	0
Sulfur	ppm ASTM D5185m 12500	<b>392</b>	0	0

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >50	<b>12</b>	6	5
Sodium	ppm ASTM D5185m	<b>0</b>	0	0
Potassium	ppm ASTM D5185m >20	<b>1</b>	2	<1

## FLUID CLEANLINESS

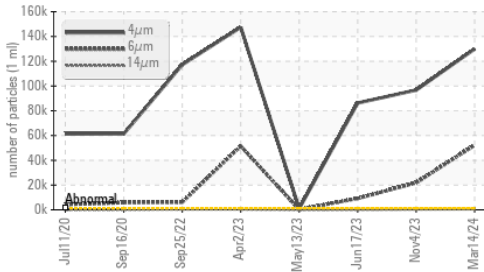
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >1300	<b>▲ 129909</b>	▲ 96697	▲ 86232
Particles >6µm	ASTM D7647 >320	<b>▲ 52278</b>	▲ 21890	▲ 9179
Particles >14µm	ASTM D7647 >80	<b>▲ 444</b>	▲ 323	▲ 107
Particles >21µm	ASTM D7647 >20	<b>▲ 55</b>	▲ 59	▲ 22
Particles >38µm	ASTM D7647 >4	<b>1</b>	1	0
Particles >71µm	ASTM D7647 >3	<b>0</b>	1	0
Oil Cleanliness	ISO 4406 (c) >17/15/13	<b>▲ 24/23/16</b>	▲ 24/22/16	▲ 24/20/14

## FLUID DEGRADATION

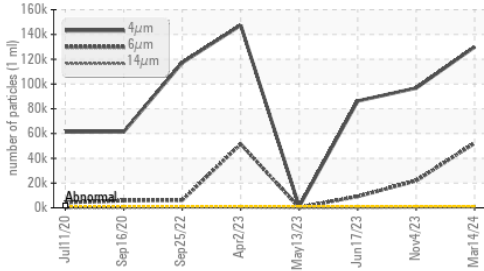
method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g	ASTM D8045 0.85	<b>0.56</b>	0.33	0.36

# OIL ANALYSIS REPORT

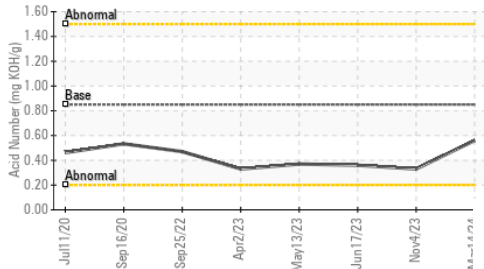
## ▲ Particle Trend



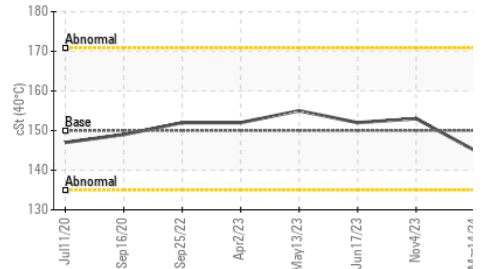
## ▲ Particle Trend



## Acid Number



## Viscosity @ 40°C



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	150	145	153

SAMPLE IMAGES	method	limit/base	current	history1	history2
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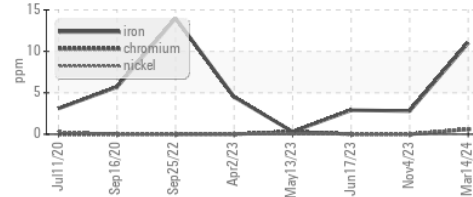
Color



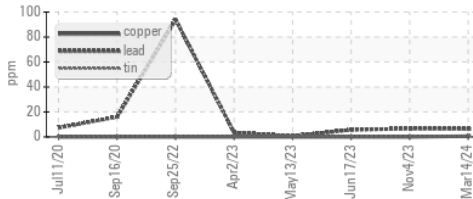
Bottom

## GRAPHS

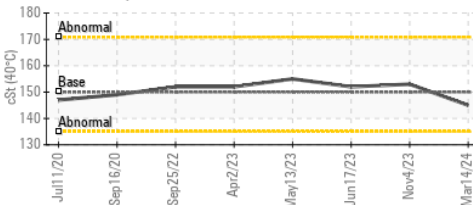
### Ferrous Alloys



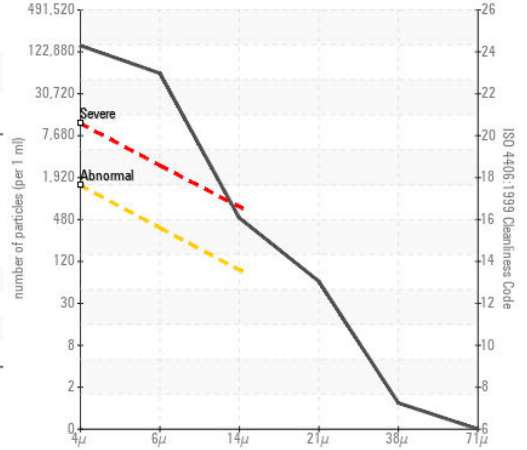
### Non-ferrous Metals



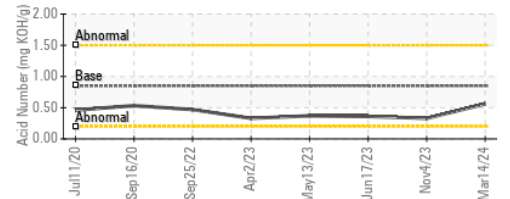
### Viscosity @ 40°C



### ▲ Particle Count



### Acid Number



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : PCA0117994

**Lab Number** : 06129387

**Unique Number** : 10943538

**Test Package** : IND 2 ( Additional Tests: PrtCount )

**Received** : 26 Mar 2024

**Tested** : 27 Mar 2024

**Diagnosed** : 29 Mar 2024 - Don Baldrige

**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)

T:

F: