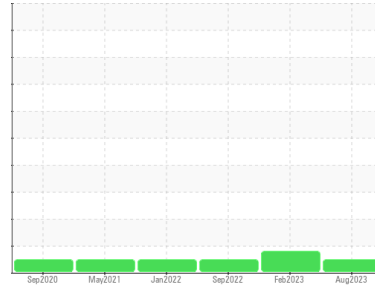


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**SCOF [98406069]**  
 Machine Id  
**6210 WEST**  
 Component  
**Gearbox**  
 Fluid  
**GEAR OIL ISO 460 (--- GAL)**

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

#### 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>PCA0100112</b>	PCA0081568	PCA0076131
Sample Date	Client Info	<b>20 Aug 2023</b>	18 Feb 2023	14 Sep 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>Filtered</b>	Filtered	Filtered
Sample Status		<b>NORMAL</b>	ABNORMAL	NORMAL

### WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>200	<b>3</b>	4	3
Chromium ppm ASTM D5185m	>15	<b>&lt;1</b>	0	0
Nickel ppm ASTM D5185m	>15	<b>0</b>	<1	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>	3	3
Lead ppm ASTM D5185m	>100	<b>&lt;1</b>	0	0
Copper ppm ASTM D5185m	>200	<b>&lt;1</b>	0	0
Tin ppm ASTM D5185m	>25	<b>&lt;1</b>	0	<1
Antimony ppm ASTM D5185m	>5	<b>---</b>	---	---
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>0</b>	0	0
Molybdenum ppm ASTM D5185m	15	<b>0</b>	0	0
Manganese ppm ASTM D5185m		<b>&lt;1</b>	0	<1
Magnesium ppm ASTM D5185m	50	<b>6</b>	<1	0
Calcium ppm ASTM D5185m	50	<b>0</b>	3	<1
Phosphorus ppm ASTM D5185m	350	<b>296</b>	304	317
Zinc ppm ASTM D5185m	100	<b>18</b>	6	6
Sulfur ppm ASTM D5185m	12500	<b>399</b>	451	443

### CONTAMINANTS

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

### FLUID CLEANLINESS

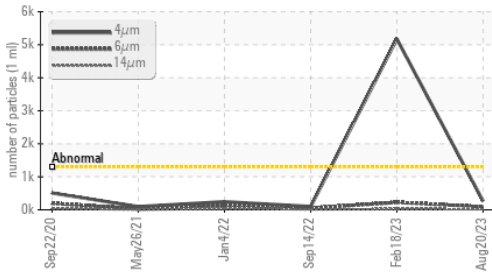
method	limit/base	current	history1	history2
Particles >4µm ASTM D7647	>1300	<b>263</b>	▲ 5173	99
Particles >6µm ASTM D7647	>320	<b>89</b>	225	51
Particles >14µm ASTM D7647	>80	<b>16</b>	20	12
Particles >21µm ASTM D7647	>20	<b>6</b>	5	3
Particles >38µm ASTM D7647	>4	<b>0</b>	1	1
Particles >71µm ASTM D7647	>3	<b>0</b>	0	1
Oil Cleanliness ISO 4406 (c)	>17/15/13	<b>15/14/11</b>	▲ 20/15/11	14/13/11

### FLUID DEGRADATION

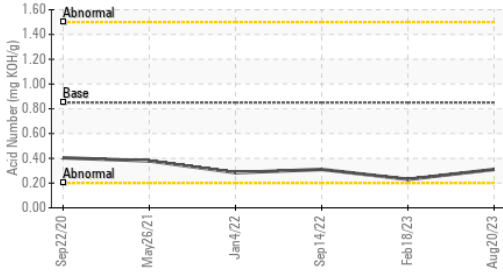
method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045	0.85	<b>0.31</b>	0.23	0.31

# OIL ANALYSIS REPORT

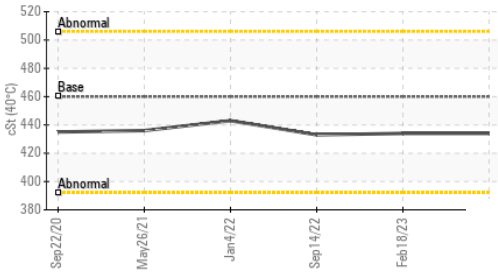
## Particle Trend



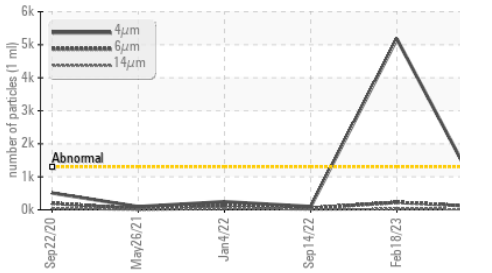
## Acid Number



## Viscosity @ 40°C



## Particle Trend

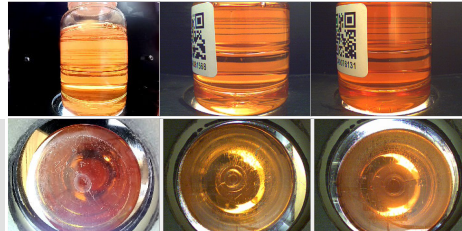
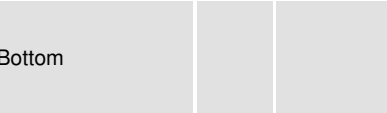


PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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 460	434	434	433

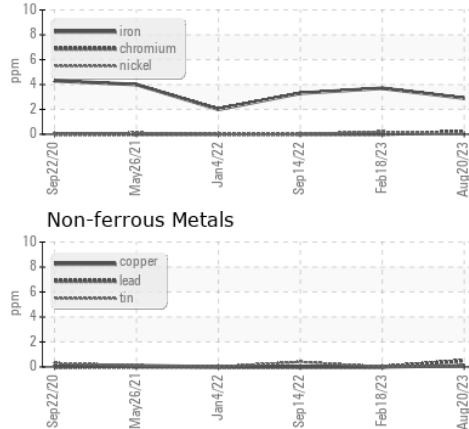
SAMPLE IMAGES	method	limit/base	current	history1	history2
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## Color

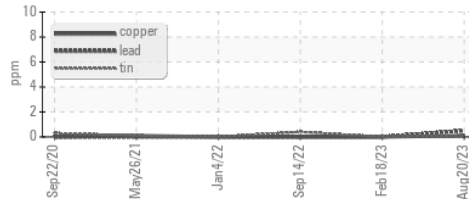


## GRAPHS

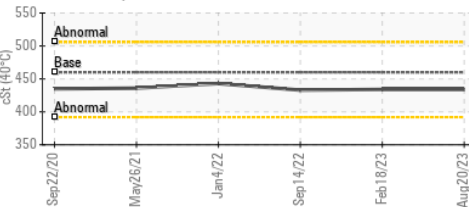
### Ferrous Alloys



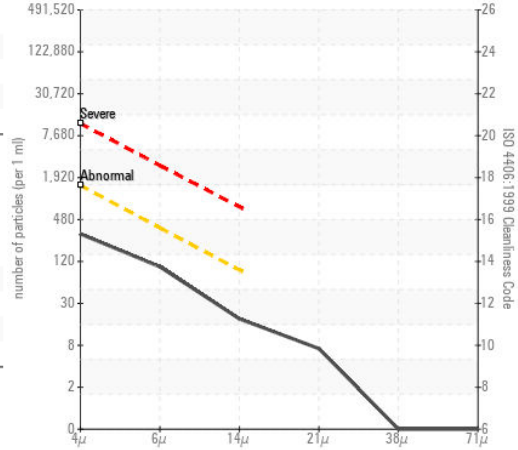
### Non-ferrous Metals



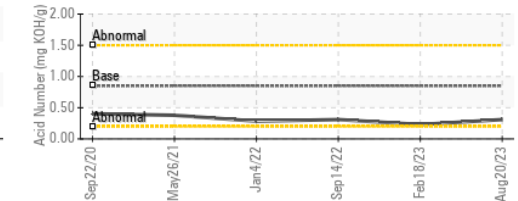
### Viscosity @ 40°C



### Particle Count



### Acid Number



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0100112 **Received** : 29 Aug 2023  
**Lab Number** : 05937190 **Diagnosed** : 30 Aug 2023  
**Unique Number** : 10622461 **Diagnostician** : Don Baldrige  
**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)

T:  
F: