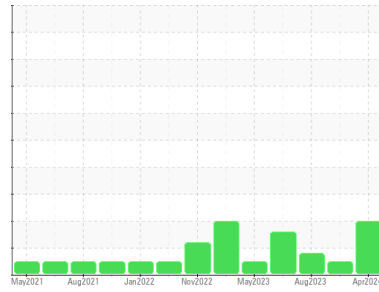


# OIL ANALYSIS REPORT

Area  
**SCOF [98952472]**  
 Machine Id  
**VACUUM PUMP 3**  
 Component  
**Vacuum Pump**  
 Fluid  
**ISO 100 (--- QTS)**

Sample Rating Trend



## DIAGNOSIS

**Recommendation**  
 The filter 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 suitable for further service.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PCA0117533</b>	PCA0101652	PCA0100109
Sample Date	Client Info	<b>10 Apr 2024</b>	16 Oct 2023	10 Aug 2023
Machine Age	hrs	<b>0</b>	0	0
Oil Age	hrs	<b>0</b>	0	0
Oil Changed	Client Info	<b>Filtered</b>	Filtered	Filtered
Sample Status		<b>ABNORMAL</b>	NORMAL	ATTENTION

## CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >.1	<b>NEG</b>	NEG	NEG

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >20	<b>5</b>	0	2
Chromium	ppm ASTM D5185m >20	<b>&lt;1</b>	0	<1
Nickel	ppm ASTM D5185m >20	<b>&lt;1</b>	0	0
Titanium	ppm ASTM D5185m	<b>&lt;1</b>	0	<1
Silver	ppm ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm ASTM D5185m >20	<b>2</b>	0	<1
Lead	ppm ASTM D5185m >20	<b>0</b>	0	<1
Copper	ppm ASTM D5185m >20	<b>&lt;1</b>	0	<1
Tin	ppm ASTM D5185m >20	<b>&lt;1</b>	0	<1
Vanadium	ppm ASTM D5185m	<b>&lt;1</b>	0	<1
Cadmium	ppm ASTM D5185m	<b>&lt;1</b>	0	<1

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	<b>0</b>	0	0
Barium	ppm ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm ASTM D5185m	<b>&lt;1</b>	0	0
Manganese	ppm ASTM D5185m	<b>0</b>	<1	<1
Magnesium	ppm ASTM D5185m	<b>&lt;1</b>	<1	6
Calcium	ppm ASTM D5185m	<b>0</b>	0	0
Phosphorus	ppm ASTM D5185m	<b>353</b>	495	299
Zinc	ppm ASTM D5185m	<b>&lt;1</b>	0	13
Sulfur	ppm ASTM D5185m	<b>1416</b>	1468	1340

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >15	<b>3</b>	2	5
Sodium	ppm ASTM D5185m	<b>3</b>	2	2
Potassium	ppm ASTM D5185m >20	<b>2</b>	2	3

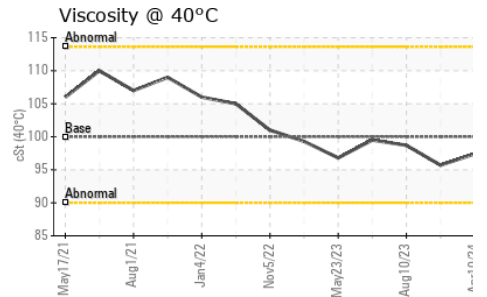
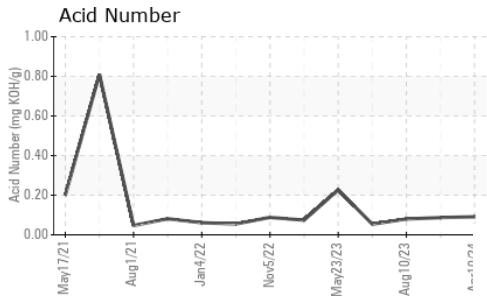
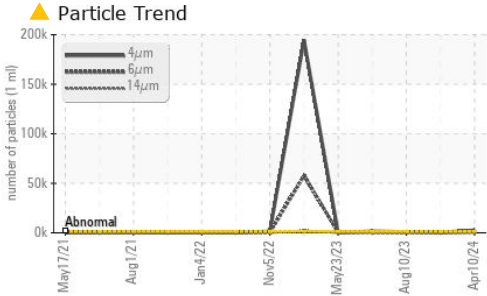
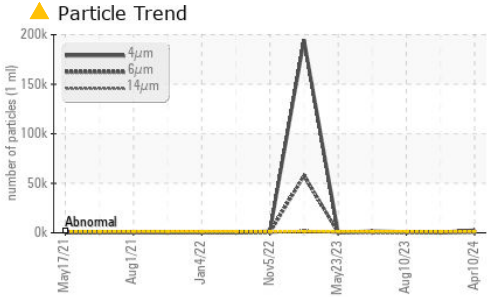
## FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >1300	<b>▲ 2705</b>	511	1009
Particles >6µm	ASTM D7647 >320	<b>▲ 959</b>	148	403
Particles >14µm	ASTM D7647 >80	<b>● 124</b>	17	30
Particles >21µm	ASTM D7647 >20	<b>● 34</b>	7	4
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>▲ 19/17/14</b>	16/14/11	● 17/16/12

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	<b>0.091</b>	0.087	0.08

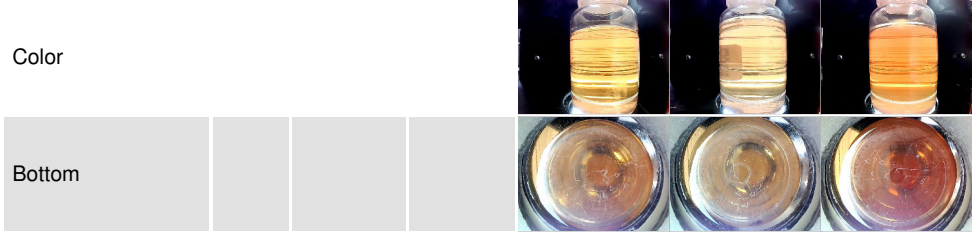
# OIL ANALYSIS REPORT



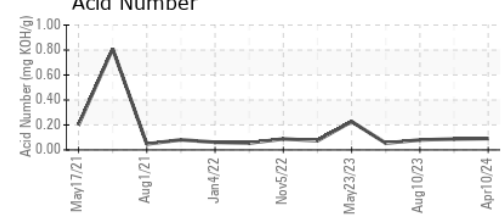
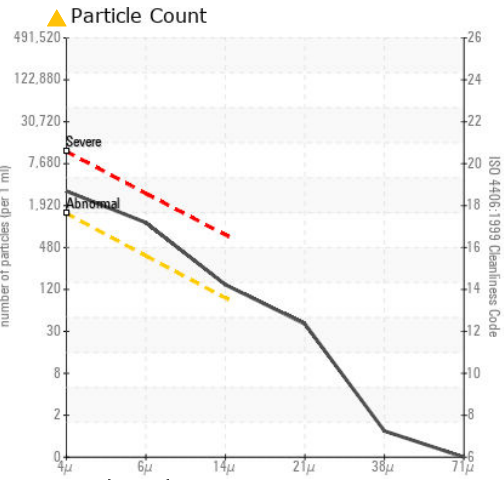
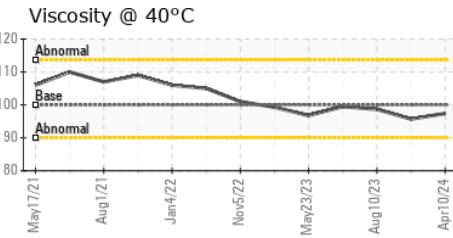
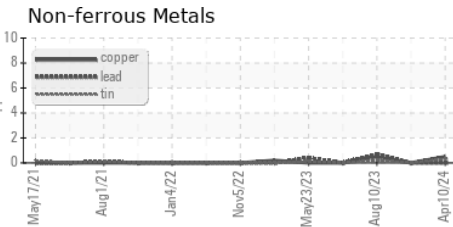
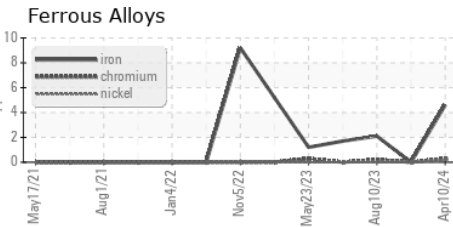
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	100	97.4	95.7

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0117533  
**Lab Number** : 06157671  
**Unique Number** : 10993094  
**Test Package** : IND 2 ( Additional Tests: PrtCount )

**Received** : 23 Apr 2024  
**Tested** : 24 Apr 2024  
**Diagnosed** : 25 Apr 2024 - Angela Borella

**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)