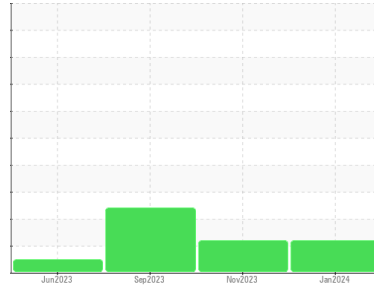


# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area  
**STUFF ROOM A [98750036]**  
 Machine Id  
**KR-GR-003228 - CONDIMENT LOADER (S/N STUFF A - 11513098)**  
 Component  
**Agitator Gearbox**  
 Fluid  
**SCHAEFFER 293A SUPREME GEAR LUBE NO TACK 220 (--- LTR)**

## DIAGNOSIS

### Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. ( Customer Sample Comment: 98750036 )

### Wear

All component wear rates are normal.

### Contamination

There is a high amount of silt (particulates < 14 microns in size) 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>PCA0108443</b>	PCA0108452	PCA0104778
Sample Date	Client Info	<b>22 Jan 2024</b>	15 Nov 2023	05 Sep 2023
Machine Age	hrs	<b>0</b>	0	0
Oil Age	hrs	<b>0</b>	0	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

## CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.1	<b>NEG</b>	NEG	NEG

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >150	<b>3</b>	2	4
Chromium	ppm ASTM D5185m >10	<b>0</b>	0	0
Nickel	ppm ASTM D5185m >10	<b>0</b>	0	0
Titanium	ppm ASTM D5185m	<b>0</b>	0	<1
Silver	ppm ASTM D5185m	<b>0</b>	0	<1
Aluminum	ppm ASTM D5185m >25	<b>0</b>	<1	1
Lead	ppm ASTM D5185m >100	<b>0</b>	0	0
Copper	ppm ASTM D5185m >50	<b>0</b>	0	<1
Tin	ppm ASTM D5185m >10	<b>0</b>	0	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	<b>5</b>	4	70
Barium	ppm ASTM D5185m	<b>0</b>	7	0
Molybdenum	ppm ASTM D5185m	<b>16</b>	21	310
Manganese	ppm ASTM D5185m	<b>0</b>	0	<1
Magnesium	ppm ASTM D5185m	<b>0</b>	2	7
Calcium	ppm ASTM D5185m	<b>1</b>	4	36
Phosphorus	ppm ASTM D5185m	<b>443</b>	443	952
Zinc	ppm ASTM D5185m	<b>0</b>	0	20
Sulfur	ppm ASTM D5185m	<b>1913</b>	2492	23005

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >50	<b>5</b>	3	5
Sodium	ppm ASTM D5185m	<b>&lt;1</b>	0	1
Potassium	ppm ASTM D5185m >20	<b>0</b>	<1	0

## FLUID CLEANLINESS

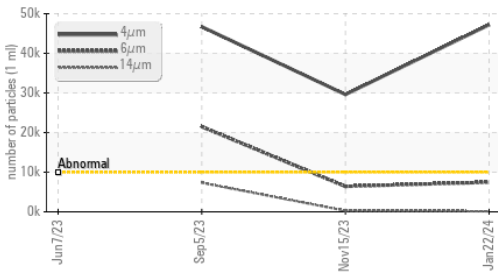
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >10000	<b>▲ 47207</b>	▲ 29609	▲ 46715
Particles >6µm	ASTM D7647 >2500	<b>▲ 7466</b>	▲ 6409	▲ 21494
Particles >14µm	ASTM D7647 >640	<b>128</b>	263	▲ 7332
Particles >21µm	ASTM D7647 >160	<b>23</b>	36	▲ 3436
Particles >38µm	ASTM D7647 >40	<b>6</b>	0	▲ 195
Particles >71µm	ASTM D7647 >10	<b>4</b>	0	4
Oil Cleanliness	ISO 4406 (c) >20/18/16	<b>▲ 23/20/14</b>	▲ 22/20/15	▲ 23/22/20

## FLUID DEGRADATION

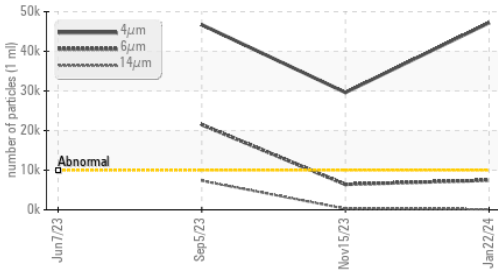
method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	<b>0.54</b>	0.59	1.89

# OIL ANALYSIS REPORT

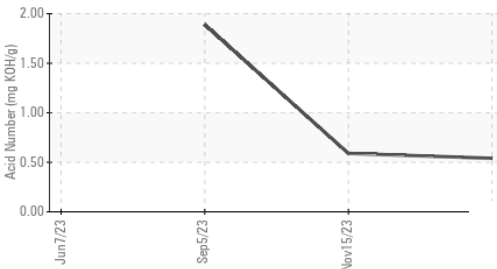
## ▲ Particle Trend



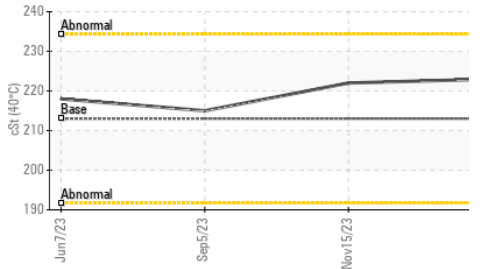
## ▲ Particle Trend



## 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	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

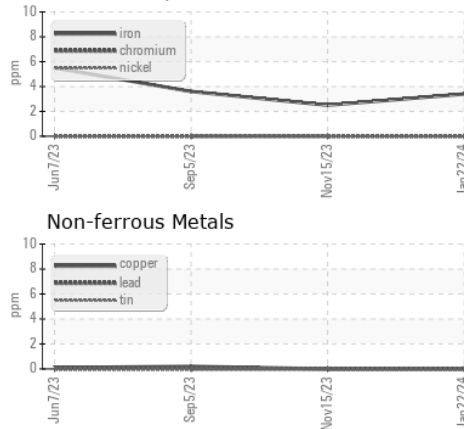
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 213	223	222	215

## SAMPLE IMAGES

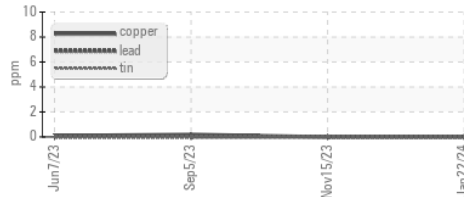


## GRAPHS

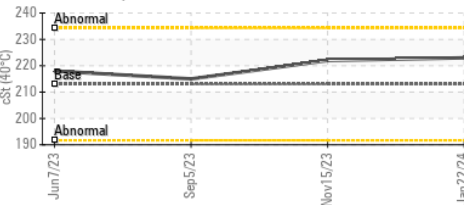
### Ferrous Alloys



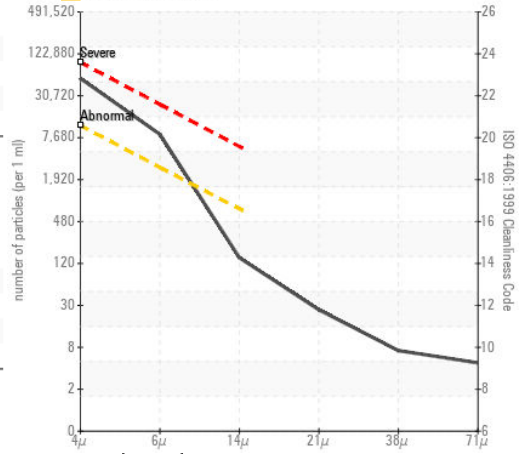
### Non-ferrous Metals



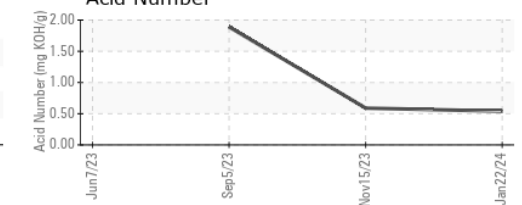
### Viscosity @ 40°C



### ▲ Particle Count



### Acid Number



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0108443 **Recieved** : 25 Jan 2024  
**Lab Number** : 06070418 **Diagnosed** : 01 Feb 2024  
**Unique Number** : 10847095 **Diagnostician** : Jonathan Hester  
**Test Package** : IND 2 ( Additional Tests: PrtCount )

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)

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