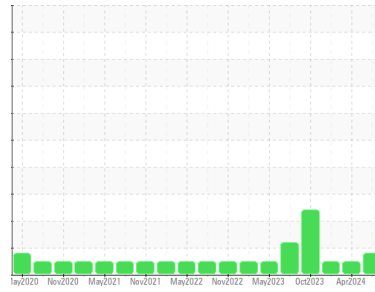


# OIL ANALYSIS REPORT

## Sample Rating Trend



ISO



Area

**STUFF ROOM A [99079033]**

Machine Id

**KR-GR-003229 - MAIN SCREW (S/N STUFF A - 11513098)**

Component

**Gearbox**

Fluid

**SCHAEFFER 293A SUPREME GEAR LUBE NO TACK 220 (7 LTR)**

## DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: 99079033)

### Wear

All component wear rates are normal.

### Contamination

There is a moderate 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 acceptable for the time in service.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PCA0118982</b>	PCA0120502	PCA0112152
Sample Date	Client Info	<b>09 Jul 2024</b>	17 Apr 2024	11 Jan 2024
Machine Age	hrs	<b>0</b>	0	0
Oil Age	hrs	<b>0</b>	0	0
Oil Changed	Client Info	<b>Not Chngd</b>	Not Chngd	N/A
Sample Status		<b>ATTENTION</b>	NORMAL	NORMAL

## 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>0</b>	<1	3
Chromium	ppm ASTM D5185m >15	<b>0</b>	<1	<1
Nickel	ppm ASTM D5185m >15	<b>0</b>	0	0
Titanium	ppm ASTM D5185m	<b>0</b>	0	0
Silver	ppm ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm ASTM D5185m >25	<b>0</b>	0	2
Lead	ppm ASTM D5185m >100	<b>0</b>	<1	0
Copper	ppm ASTM D5185m >200	<b>0</b>	0	<1
Tin	ppm ASTM D5185m >25	<b>0</b>	<1	0
Vanadium	ppm ASTM D5185m	<b>0</b>	<1	0
Cadmium	ppm ASTM D5185m	<b>0</b>	<1	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	<b>8</b>	7	38
Barium	ppm ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm ASTM D5185m	<b>1</b>	<1	5
Manganese	ppm ASTM D5185m	<b>0</b>	<1	0
Magnesium	ppm ASTM D5185m	<b>1</b>	<1	0
Calcium	ppm ASTM D5185m	<b>1</b>	3	3
Phosphorus	ppm ASTM D5185m	<b>462</b>	414	345
Zinc	ppm ASTM D5185m	<b>6</b>	3	0
Sulfur	ppm ASTM D5185m	<b>3732</b>	3170	16174

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >50	<b>2</b>	2	<1
Sodium	ppm ASTM D5185m	<b>&lt;1</b>	1	0
Potassium	ppm ASTM D5185m >20	<b>1</b>	4	12

## FLUID CLEANLINESS

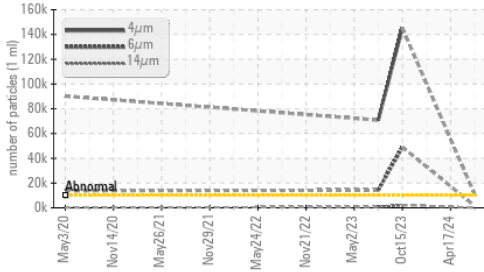
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >10000	<b>10861</b>	---	---
Particles >6µm	ASTM D7647 >2500	<b>1616</b>	---	---
Particles >14µm	ASTM D7647 >640	<b>21</b>	---	---
Particles >21µm	ASTM D7647 >160	<b>2</b>	---	---
Particles >38µm	ASTM D7647 >40	<b>0</b>	---	---
Particles >71µm	ASTM D7647 >10	<b>0</b>	---	---
Oil Cleanliness	ISO 4406 (c) >20/18/16	<b>21/18/12</b>	---	---

## FLUID DEGRADATION

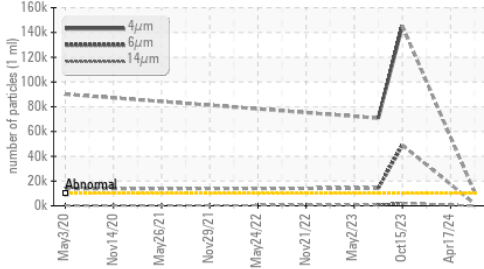
method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	<b>0.54</b>	---	---

# OIL ANALYSIS REPORT

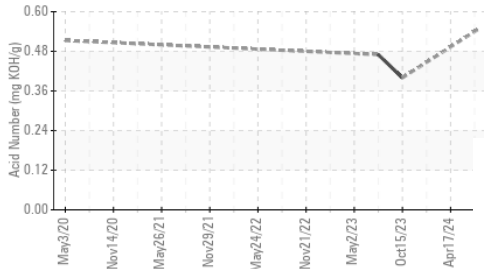
## Particle Trend



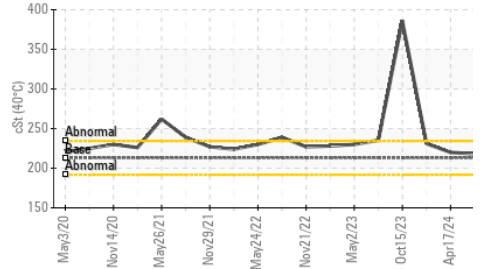
## Particle Trend



## 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	213	218	220

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color



no image

no image

Bottom

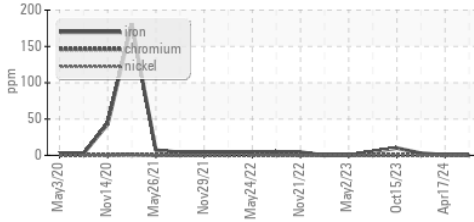


no image

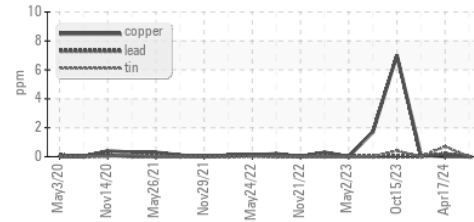
no image

## GRAPHS

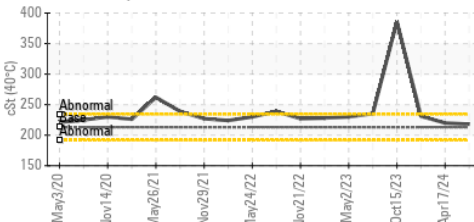
### Ferrous Alloys



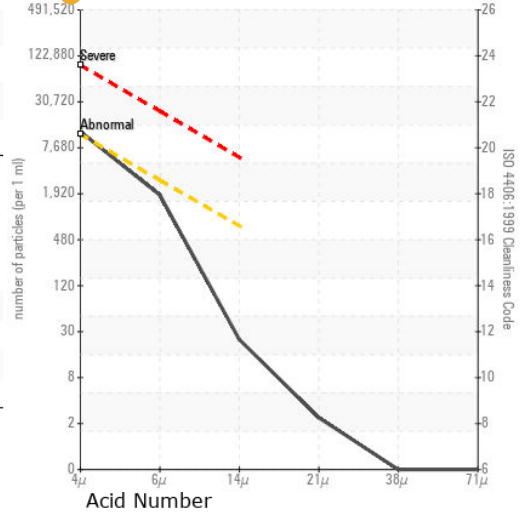
### Non-ferrous Metals



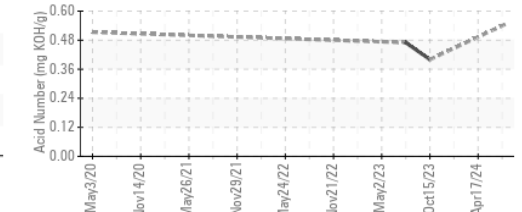
### Viscosity @ 40°C



### Particle Count



### Acid Number



Certificate L2367

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

Sample No. : PCA0118982

Lab Number : 06233244

Unique Number : 11116737

Test Package : IND 2 ( Additional Tests: PrtCount )

Received : 11 Jul 2024

Tested : 12 Jul 2024

Diagnosed : 12 Jul 2024 - Don Baldrige

KraftHeinz - Kirksville - Plant 8333 PCA

2504 INDUSTRIAL DR

KIRKSVILLE, MO

US 63501

Contact: WALLACE WARD

wallace.ward@kraftheinzcompany.com

T: (660)627-1031

F: (660)627-5887

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)