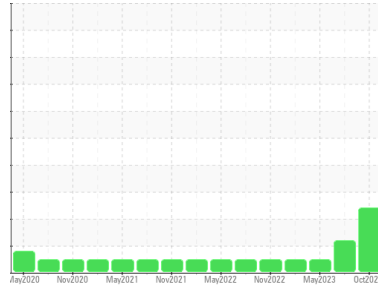


PROBLEM SUMMARY

Area
[98527366]
 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)

Sample Rating Trend

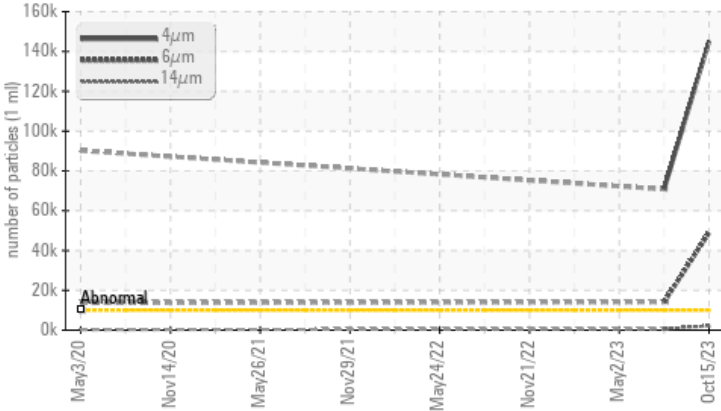


VISCOSITY

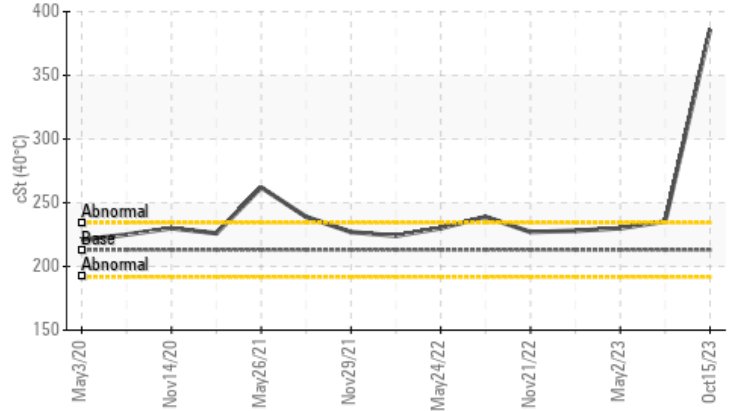


COMPONENT CONDITION SUMMARY

▲ Particle Trend



▲ Viscosity @ 40°C



RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status	ASTM	Value	ABNORMAL	ABNORMAL	NORMAL
Particles >4µm	ASTM D7647	>10000	▲ 145129	▲ 70801	---
Particles >6µm	ASTM D7647	>2500	▲ 48948	▲ 14194	---
Particles >14µm	ASTM D7647	>640	▲ 2091	640	---
Particles >21µm	ASTM D7647	>160	▲ 319	134	---
Oil Cleanliness	ISO 4406 (c)	>20/18/16	▲ 24/23/18	▲ 23/21/16	---
Visc @ 40°C	cSt ASTM D445	213	▲ 386	235.3	230

Customer Id: KRAKIR
 Sample No.: PCA0106512
 Lab Number: 05979587
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Jonathan Hester +1 919-379-4092 x4092
jhester@wearcheckusa.com

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter	---	---	?	We recommend you service the filters on this component.

HISTORICAL DIAGNOSIS

10 Aug 2023 Diag: Don Baldrige

ISO



Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



02 May 2023 Diag: Jonathan Hester

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

view report



19 Feb 2023 Diag: Jonathan Hester

NORMAL



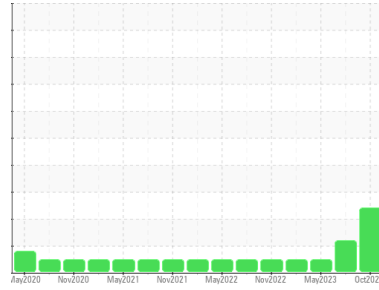
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

view report



OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Area
[98527366]
 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

We recommend you service the filters on this component. 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 oil viscosity is higher than normal. Confirm oil type. The AN level is acceptable for this fluid.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0106512	PCA0102516	PCA0073068
Sample Date	Client Info	15 Oct 2023	10 Aug 2023	02 May 2023
Machine Age	hrs	0	0	0
Oil Age	hrs	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		ABNORMAL	ABNORMAL	NORMAL

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >200	10	5	0
Chromium	ppm	ASTM D5185m >15	0	0	0
Nickel	ppm	ASTM D5185m >15	0	0	0
Titanium	ppm	ASTM D5185m	<1	0	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	<1	<1	0
Lead	ppm	ASTM D5185m >100	0	0	0
Copper	ppm	ASTM D5185m >200	7	2	0
Tin	ppm	ASTM D5185m >25	<1	0	0
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	27	45
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	<1	4	4
Manganese	ppm	ASTM D5185m	<1	0	0
Magnesium	ppm	ASTM D5185m	0	<1	<1
Calcium	ppm	ASTM D5185m	0	3	0
Phosphorus	ppm	ASTM D5185m	156	263	321
Zinc	ppm	ASTM D5185m	0	12	0
Sulfur	ppm	ASTM D5185m	1622	11236	18152

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >50	8	2	0
Sodium	ppm	ASTM D5185m	<1	0	1
Potassium	ppm	ASTM D5185m >20	<1	8	11

FLUID CLEANLINESS

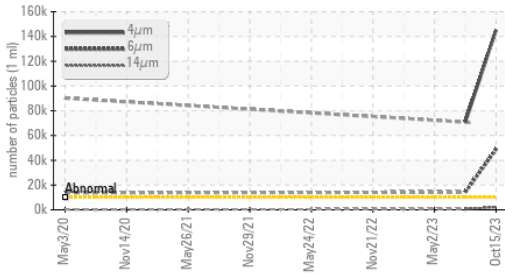
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >10000	▲ 145129	▲ 70801	---
Particles >6µm	ASTM D7647 >2500	▲ 48948	▲ 14194	---
Particles >14µm	ASTM D7647 >640	▲ 2091	640	---
Particles >21µm	ASTM D7647 >160	▲ 319	134	---
Particles >38µm	ASTM D7647 >40	2	5	---
Particles >71µm	ASTM D7647 >10	0	3	---
Oil Cleanliness	ISO 4406 (c) >20/18/16	▲ 24/23/18	▲ 23/21/16	---

FLUID DEGRADATION

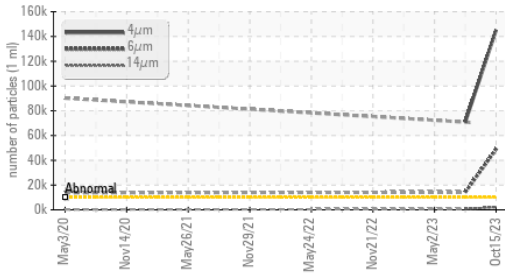
method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	0.40	0.47	---

OIL ANALYSIS REPORT

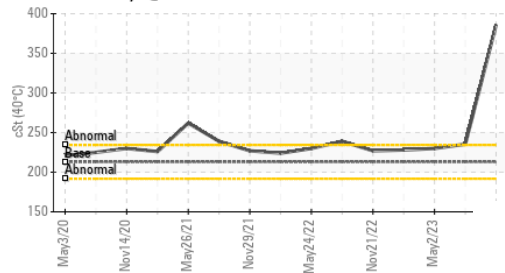
▲ Particle Trend



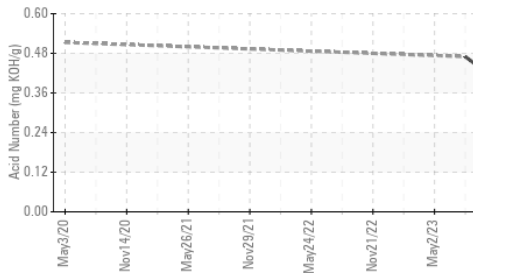
▲ Particle Trend



▲ Viscosity @ 40°C



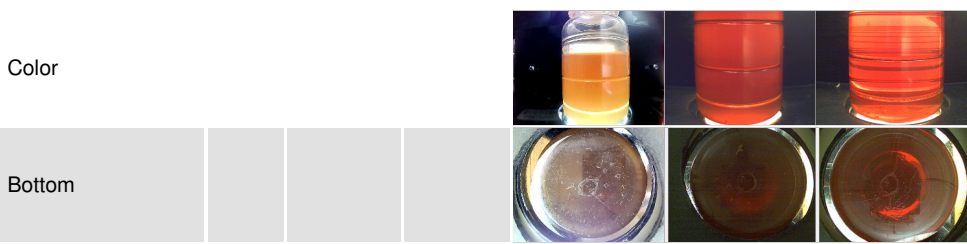
Acid Number



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

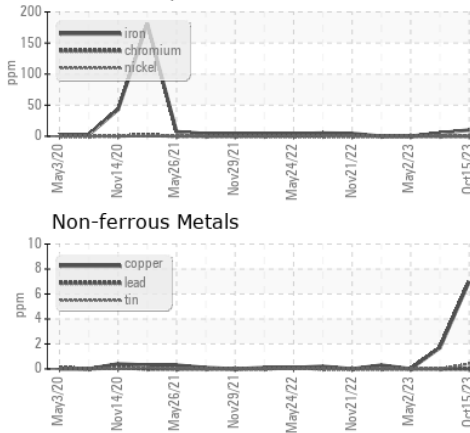
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 213	▲ 386	235.3	230

SAMPLE IMAGES

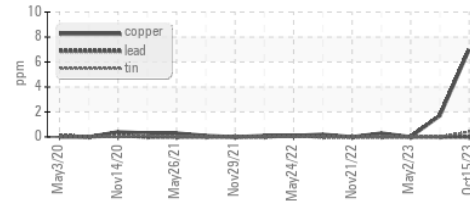


GRAPHS

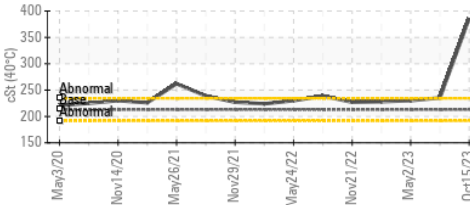
Ferrous Alloys



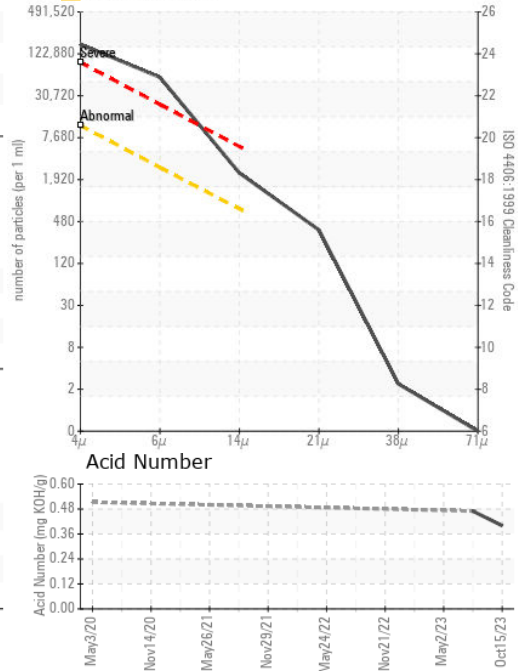
Non-ferrous Metals



▲ Viscosity @ 40°C



▲ Particle Count



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0106512 **Received** : 16 Oct 2023
Lab Number : 05979587 **Diagnosed** : 19 Oct 2023
Unique Number : 10696882 **Diagnostician** : Jonathan Hester
Test Package : IND 2 (Additional Tests: PrtCount)

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)