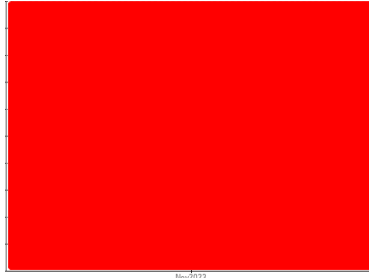# PROBLEM SUMMARY

Sample Rating Trend
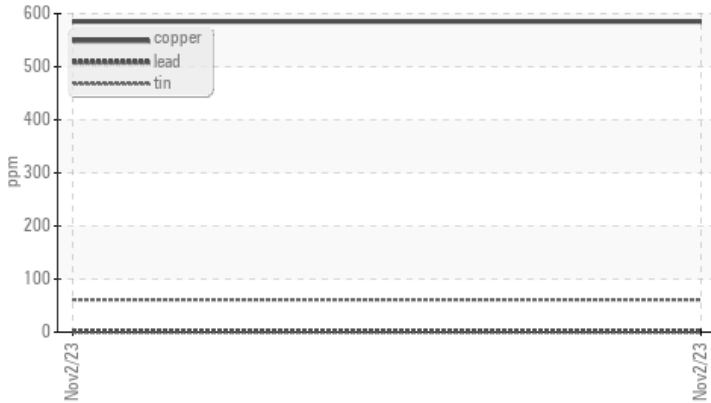
Machine Id
HOLD TANK 23
Component
Agitator Gearbox
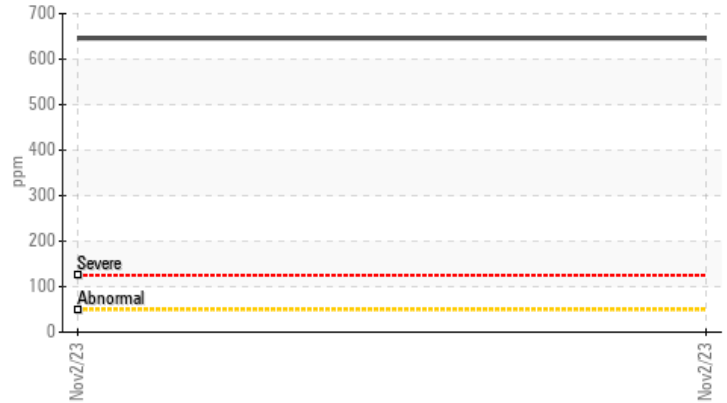Fluid
SCHAEFFER 268 SUPREME GEAR LUBE ISO 460 (--- LTR)

COMPONENT CONDITION SUMMARY

Non-ferrous Metals

(legend: copper, lead, tin)

Silicon (ppm)

(Severe / Abnormal)

RECOMMENDATION

We recommend you service the filters on this component if applicable. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	---	---
Copper	ppm	ASTM D5185m	>50	🔴 585	---	---
Tin	ppm	ASTM D5185m	>10	🔴 61	---	---
Silicon	ppm	ASTM D5185m	>50	🔴 646	---	---
Yellow Metal	scalar	*Visual	NONE	🔺 MODER	---	---
Debris	scalar	*Visual	NONE	🔺 MODER	---	---

Customer Id: KRAMASIOW
Sample No.: USP0003065
Lab Number: 05998031
Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data:
Doug Bogart +1 (800)237-1369 x4016
dougb@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
Inspect Wear Source	---	---	?	We advise that you inspect for the source(s) of wear.
Change Filter	---	---	?	We recommend you service the filters on this component if applicable.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

Machine Id
HOLD TANK 23
Component
Agitator Gearbox
Fluid
SCHAEFFER 268 SUPREME GEAR LUBE ISO 460 (--- LTR)

Nov2023
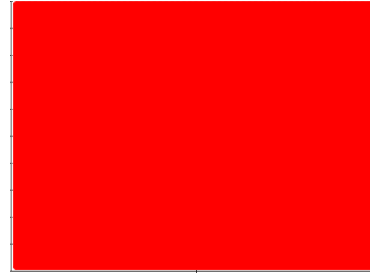
DIAGNOSIS

🔴 **Recommendation**

We recommend you service the filters on this component if applicable. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample.

🔴 **Wear**

Moderate concentration of visible metal present. Bearing and/or gear wear is indicated.

🔴 **Contamination**

Moderate concentration of visible dirt/debris present in the oil. Elemental level of silicon (Si) above normal.

Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORMATION	method	limit/base	current	history1	history2
Sample Number		Client Info	USP0003065	---	---
Sample Date		Client Info	02 Nov 2023	---	---
Machine Age	hrs	Client Info	0	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed		Client Info	N/A	---	---
Sample Status			SEVERE	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>150	9	---	---
Chromium	ppm	ASTM D5185m	>10	0	---	---
Nickel	ppm	ASTM D5185m	>10	1	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>25	<1	---	---
Lead	ppm	ASTM D5185m	>100	2	---	---
Copper	ppm	ASTM D5185m	>50	🔴 585	---	---
Tin	ppm	ASTM D5185m	>10	🔴 61	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
Cadmium	ppm	ASTM D5185m		0	---	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		36	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		0	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		1	---	---
Calcium	ppm	ASTM D5185m		2	---	---
Phosphorus	ppm	ASTM D5185m		392	---	---
Zinc	ppm	ASTM D5185m		8	---	---
Sulfur	ppm	ASTM D5185m		13432	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	🔴 646	---	---
Sodium	ppm	ASTM D5185m		0	---	---
Potassium	ppm	ASTM D5185m	>20	<1	---	---
Water	%	ASTM D6304	>0.1	0.011	---	---
ppm Water	ppm	ASTM D6304	>1000	118.8	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.16	---	---

OIL ANALYSIS REPORT

Silicon (ppm)

Water (KF)

Acid Number

Water (KF)

Viscosity @ 40°C
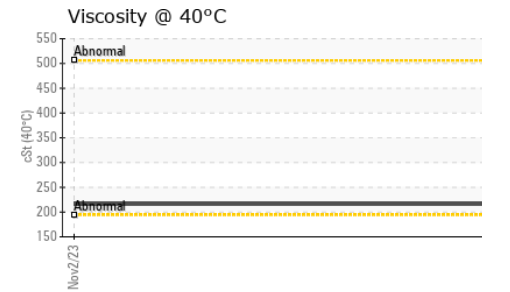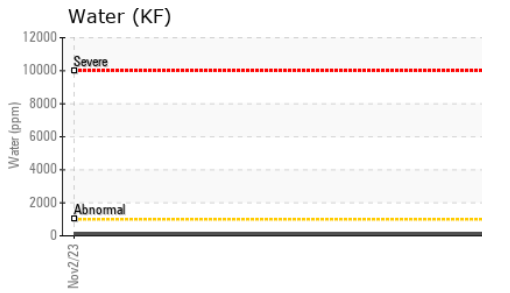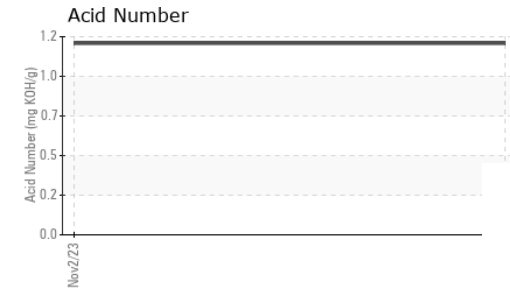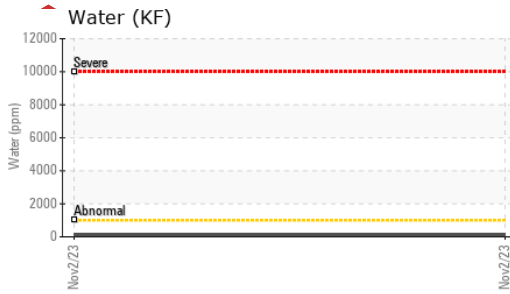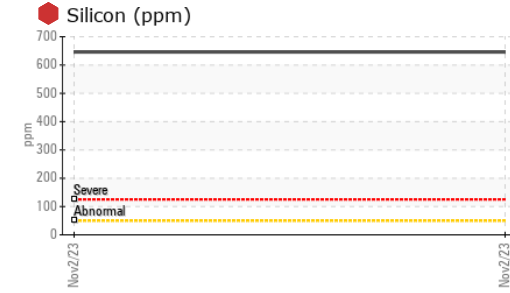
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	---	---
Yellow Metal	scalar	*Visual	NONE	⚠ **MODER**	---	---
Precipitate	scalar	*Visual	NONE	**NONE**	---	---
Silt	scalar	*Visual	NONE	**NONE**	---	---
Debris	scalar	*Visual	NONE	⚠ **MODER**	---	---
Sand/Dirt	scalar	*Visual	NONE	**NONE**	---	---
Appearance	scalar	*Visual	NORML	**NORML**	---	---
Odor	scalar	*Visual	NORML	**NORML**	---	---
Emulsified Water	scalar	*Visual	>0.1	**NEG**	---	---
Free Water	scalar	*Visual		**NEG**	---	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		**216**	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS
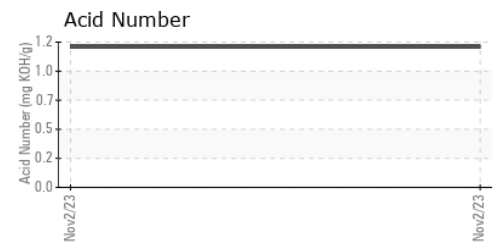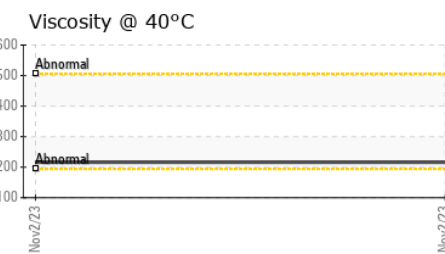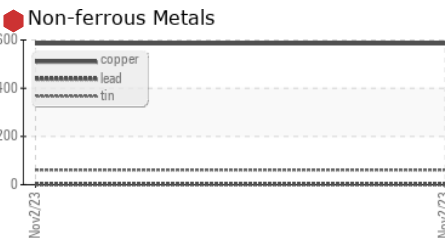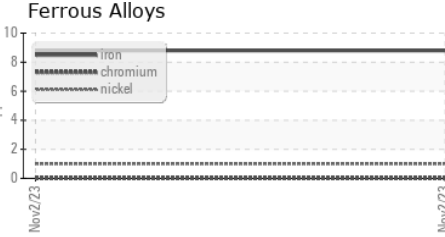
Ferrous Alloys
- iron
- chromium
- nickel

Non-ferrous Metals
- copper
- lead
- tin

Viscosity @ 40°C

Acid Number

KraftHeinz - Mason City - Plant 8360
1022 12TH ST
MASON CITY, IA
US 50401
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: (641)421-2936

Certificate L2367