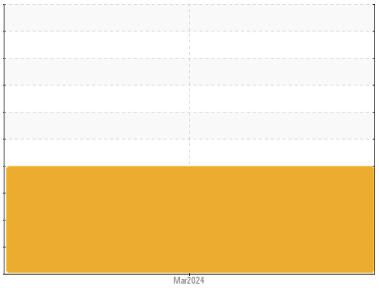
PROBLEM SUMMARY

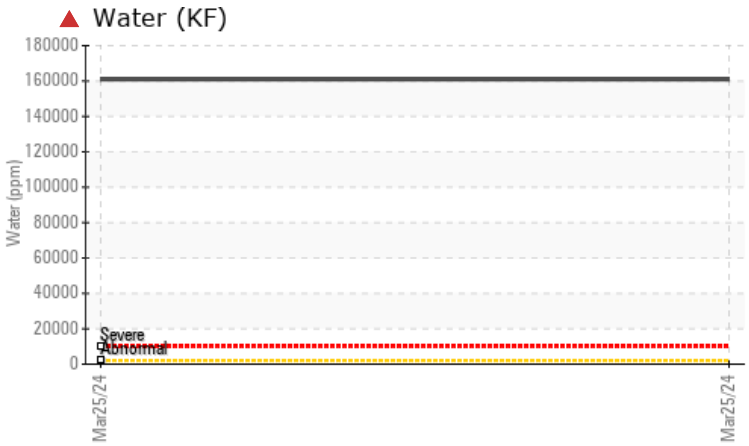
Sample Rating Trend



WATER

Machine Id
SALVAGE SURGE
Component
Gearbox
Fluid
LUBRIPLATE SFGO ULTRA 220 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. Else we advise that you perform a filter service and use off-line filtration to improve the cleanliness of the system fluid. We were unable to perform a particle count due to a high concentration of particles and water present in this sample. Please note that there was too much water present in the oil to perform a viscosity test.

PROBLEMATIC TEST RESULTS

Sample Status				**SEVERE**	---	---
Water	%	ASTM D6304	>0.2	▲ **16.1**	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ **161000**	---	---
Silt	scalar	*Visual	NONE	▲ **MODER**	---	---
Emulsified Water	scalar	*Visual	>0.2	▲ **0.2%**	---	---

Customer Id: KRALOWUSP
Sample No.: USP0008321
Lab Number: 06132057
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

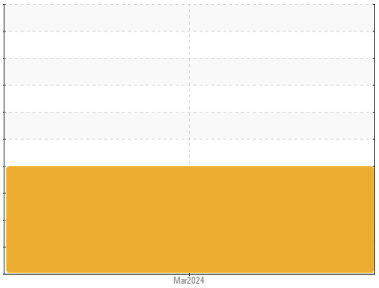
RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	We recommend that you drain the oil from the component if this has not already been done.
Change Filter	---	---	?	We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid.
Alert	---	---	?	We were unable to perform a particle count due to a high concentration of particles present in this sample.
Check Water Access	---	---	?	We advise that you check for the source of water entry.
Filter Fluid	---	---	?	We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid.

HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Sample Rating Trend



WATER

Machine Id
SALVAGE SURGE
Component
Gearbox
Fluid
LUBRIPLATE SFGO ULTRA 220 (--- GAL)

DIAGNOSIS

▲ Recommendation

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. Else we advise that you perform a filter service and use off-line filtration to improve the cleanliness of the system fluid. We were unable to perform a particle count due to a high concentration of particles and water present in this sample. Please note that there was too much water present in the oil to perform a viscosity test.

Wear

All component wear rates are normal.

▲ Contamination

Appearance is unacceptable. There is a moderate amount of visible silt present in the sample. There is a high concentration of water present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**USP0008321**	---	---
Sample Date		Client Info		**25 Mar 2024**	---	---
Machine Age	hrs	Client Info		**0**	---	---
Oil Age	hrs	Client Info		**0**	---	---
Oil Changed		Client Info		**N/A**	---	---
Sample Status				**SEVERE**	---	---

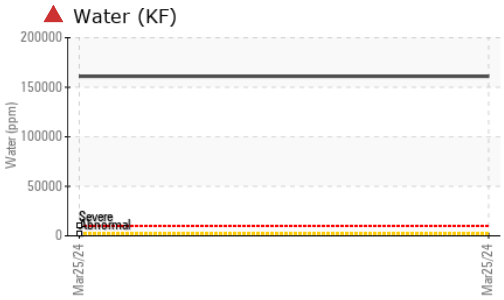
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	**165**	---	---
Chromium	ppm	ASTM D5185m	>15	**1**	---	---
Nickel	ppm	ASTM D5185m	>15	**2**	---	---
Titanium	ppm	ASTM D5185m		**0**	---	---
Silver	ppm	ASTM D5185m		**<1**	---	---
Aluminum	ppm	ASTM D5185m	>25	**2**	---	---
Lead	ppm	ASTM D5185m	>100	**<1**	---	---
Copper	ppm	ASTM D5185m	>200	**<1**	---	---
Tin	ppm	ASTM D5185m	>25	**2**	---	---
Vanadium	ppm	ASTM D5185m		**<1**	---	---
Cadmium	ppm	ASTM D5185m		**0**	---	---

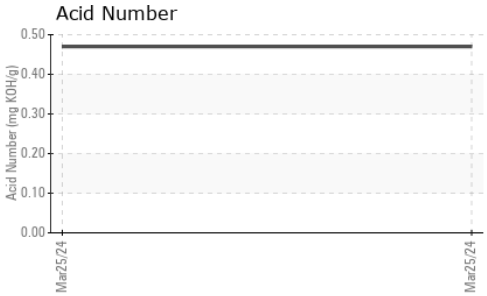
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**3**	---	---
Barium	ppm	ASTM D5185m		**0**	---	---
Molybdenum	ppm	ASTM D5185m		**0**	---	---
Manganese	ppm	ASTM D5185m		**<1**	---	---
Magnesium	ppm	ASTM D5185m		**2**	---	---
Calcium	ppm	ASTM D5185m		**5**	---	---
Phosphorus	ppm	ASTM D5185m		**97**	---	---
Zinc	ppm	ASTM D5185m		**2**	---	---
Sulfur	ppm	ASTM D5185m		**1215**	---	---

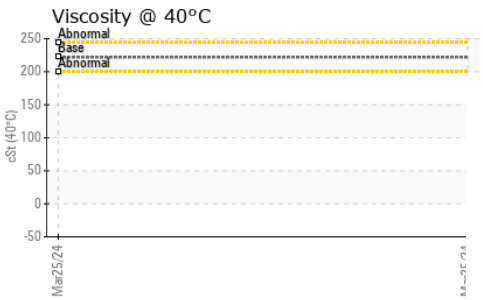
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	**5**	---	---
Sodium	ppm	ASTM D5185m		**<1**	---	---
Potassium	ppm	ASTM D5185m	>20	**2**	---	---
Water	%	ASTM D6304	>0.2	▲ **16.1**	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ **161000**	---	---

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

OIL ANALYSIS REPORT



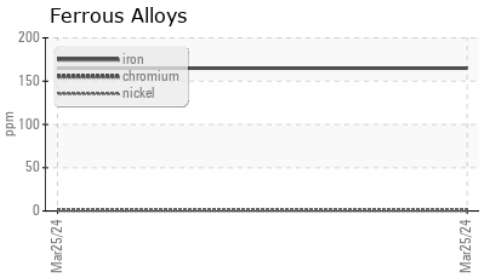


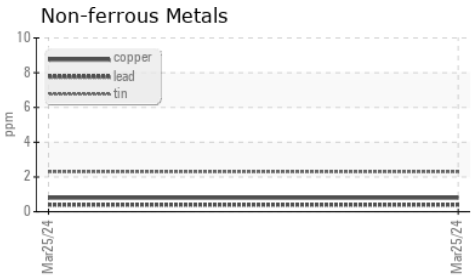


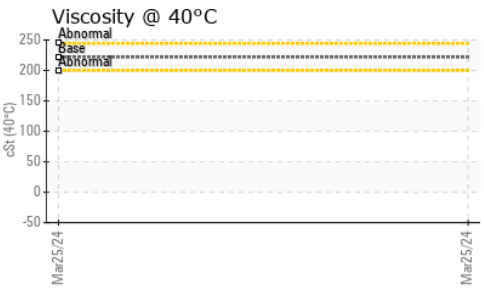
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	---	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	---	---
Precipitate	scalar	*Visual	NONE	**NONE**	---	---
Silt	scalar	*Visual	NONE	▲ **MODER**	---	---
Debris	scalar	*Visual	NONE	**NONE**	---	---
Sand/Dirt	scalar	*Visual	NONE	**NONE**	---	---
Appearance	scalar	*Visual	NORML	**NORML**	---	---
Odor	scalar	*Visual	NORML	**NORML**	---	---
Emulsified Water	scalar	*Visual	>0.2	▲ **0.2%**	---	---
Free Water	scalar	*Visual		**NEG**	---	---

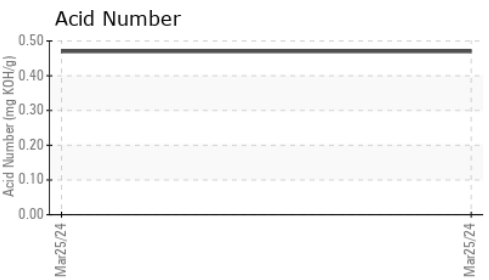
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				*no image*	*no image*
Bottom				*no image*	*no image*

GRAPHS









Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : USP0008321
Lab Number : 06132057
Unique Number : 10951522
Test Package : IND 2

Received : 28 Mar 2024
Tested : 29 Mar 2024
Diagnosed : 29 Mar 2024 - Doug Bogart

KraftHeinz - Lowville - Plant 8322 USP
7388 UTICA BLVD
LOWVILLE, NY
US 13367
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: