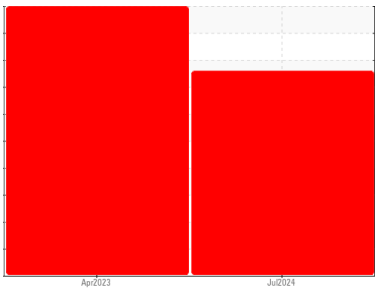
PROBLEM SUMMARY

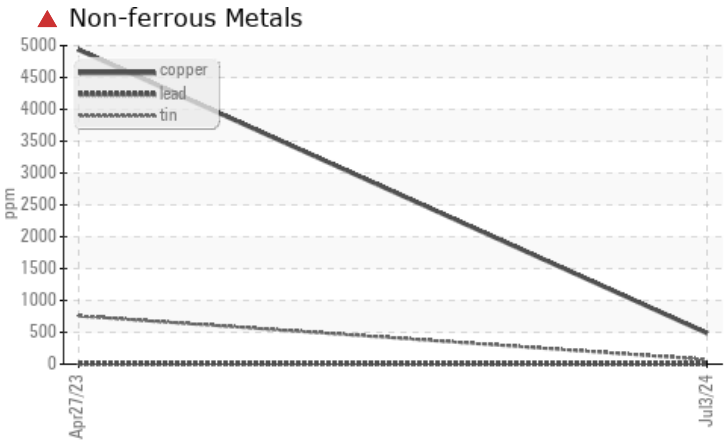
Sample Rating Trend



WEAR

Machine Id
TUNNEL 7 SPIRAL 1 INFEED
Component
Gearbox
Fluid
AW HYDRAULIC OIL ISO 68 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. 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**	SEVERE	---
Copper	ppm	ASTM D5185m	>200	▲ **487**	▲ 4936	---
Tin	ppm	ASTM D5185m	>25	▲ **71**	▲ 756	---
Silt	scalar	*Visual	NONE	▲ **MODER**	NONE	---

Customer Id: KRAAVO
Sample No.: USP0012352
Lab Number: 06237839
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 Filter	---	---	?	We recommend you service the filters on this component if applicable.
Alert	---	---	?	We were unable to perform a particle count due to a high concentration of particles present in this sample.

HISTORICAL DIAGNOSIS

VISUAL METAL

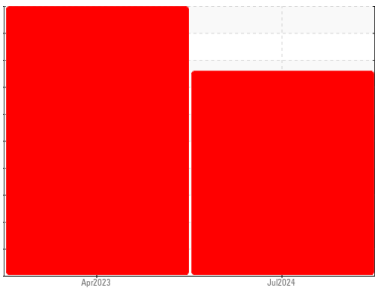
27 Apr 2023 Diag: Doug Bogart

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 metal particles present in this sample.High concentration of visible metal present. Bearing and/or gear wear is indicated. No other contaminants were detected in the oil. Confirm oil type. The AN level is acceptable for this fluid.

view report

OIL ANALYSIS REPORT

Sample Rating Trend



WEAR

Machine Id
TUNNEL 7 SPIRAL 1 INFEED
Component
Gearbox
Fluid
AW HYDRAULIC OIL ISO 68 (--- GAL)

DIAGNOSIS

▲ Recommendation
We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

▲ Wear
Bearing and/or gear wear is indicated. Possible carryover from previous oil fill.

▲ Contamination
There is a moderate amount of visible silt present in the sample.

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		**USP0012352**	USPM11903	---
Sample Date		Client Info		**03 Jul 2024**	27 Apr 2023	---
Machine Age	hrs	Client Info		**0**	0	---
Oil Age	hrs	Client Info		**0**	0	---
Oil Changed		Client Info		**N/A**	N/A	---
Sample Status				**SEVERE**	SEVERE	---

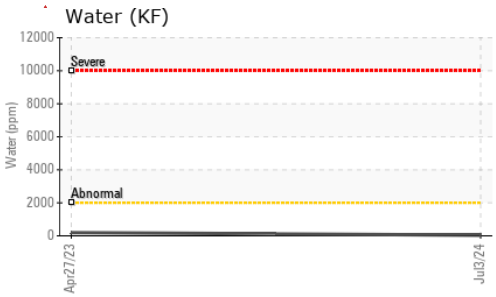
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	**19**	148	---
Chromium	ppm	ASTM D5185m	>15	**0**	<1	---
Nickel	ppm	ASTM D5185m	>15	**5**	58	---
Titanium	ppm	ASTM D5185m		**<1**	<1	---
Silver	ppm	ASTM D5185m		**0**	<1	---
Aluminum	ppm	ASTM D5185m	>25	**4**	▲ 80	---
Lead	ppm	ASTM D5185m	>100	**4**	7	---
Copper	ppm	ASTM D5185m	>200	▲ **487**	▲ 4936	---
Tin	ppm	ASTM D5185m	>25	▲ **71**	▲ 756	---
Vanadium	ppm	ASTM D5185m		**0**	0	---
Cadmium	ppm	ASTM D5185m		**0**	<1	---

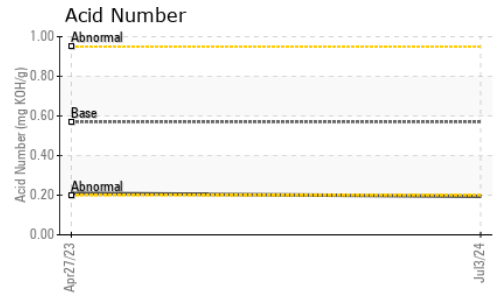
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	**1**	1	---
Barium	ppm	ASTM D5185m	5	**0**	0	---
Molybdenum	ppm	ASTM D5185m	5	**0**	<1	---
Manganese	ppm	ASTM D5185m		**<1**	2	---
Magnesium	ppm	ASTM D5185m	25	**2**	3	---
Calcium	ppm	ASTM D5185m	200	**14**	54	---
Phosphorus	ppm	ASTM D5185m	300	**418**	220	---
Zinc	ppm	ASTM D5185m	370	**20**	388	---
Sulfur	ppm	ASTM D5185m	2500	**1339**	893	---

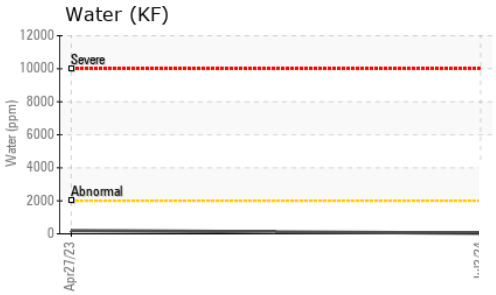
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	**2**	34	---
Sodium	ppm	ASTM D5185m		**1**	15	---
Potassium	ppm	ASTM D5185m	>20	**1**	0	---
Water	%	ASTM D6304	>0.2	**0.003**	0.019	---
ppm Water	ppm	ASTM D6304	>2000	**37**	199.6	---

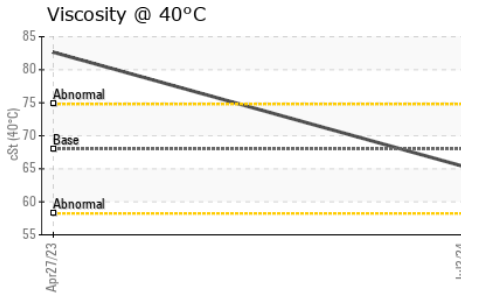
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	**0.194**	0.21	---

OIL ANALYSIS REPORT



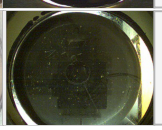




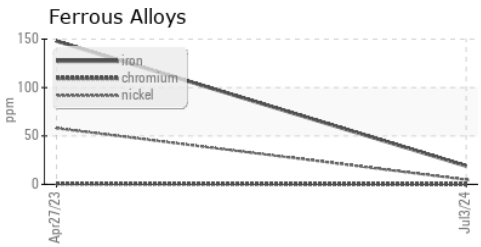


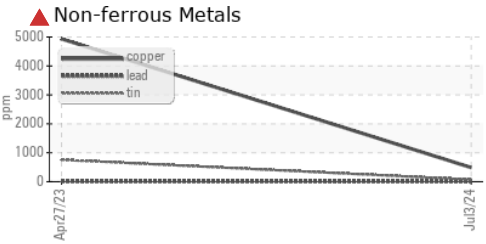
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	▲ HEAVY	---
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	---
Silt	scalar	*Visual	NONE	▲ **MODER**	NONE	---
Debris	scalar	*Visual	NONE	**NONE**	NONE	---
Sand/Dirt	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	---

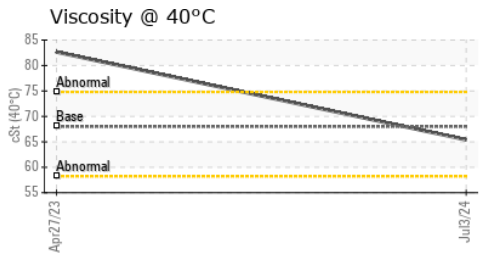
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	68	**65.4**	82.65	---

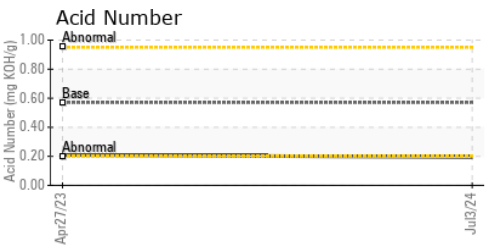
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					no image
Bottom					no image

GRAPHS









Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : USP0012352
Lab Number : 06237839
Unique Number : 11126673
Test Package : IND 2

Received : 16 Jul 2024
Tested : 18 Jul 2024
Diagnosed : 18 Jul 2024 - Doug Bogart

KraftHeinz - Avon - Plant 8357
140 SPRING ST
AVON, NY
US 14414
Contact:
T:
F:

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)