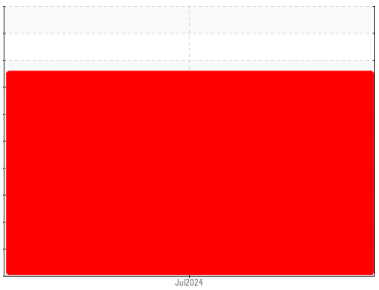
OIL DIAGNOSTICS

PROBLEM SUMMARY

Sample Rating Trend

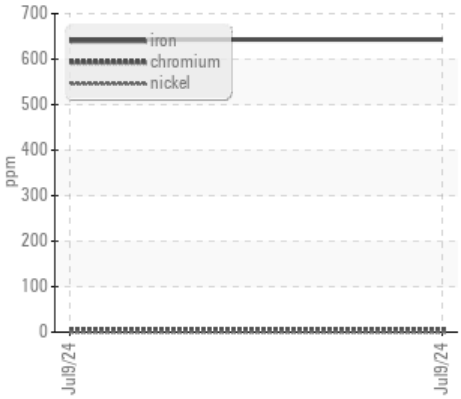


WEAR

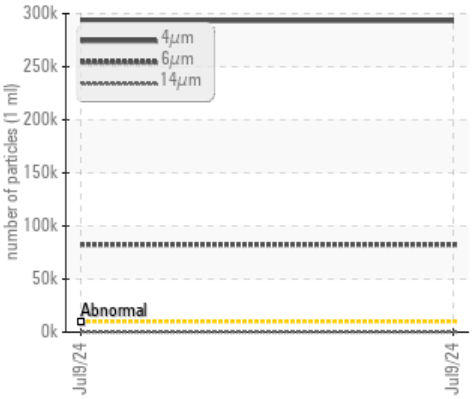
Area
STUFF ROOM A [98996689]
Machine Id
KR-GR-003448 (S/N 11555747)
Component
Gear Case
Fluid
GEAR OIL ISO 220 (--- GAL)

COMPONENT CONDITION SUMMARY

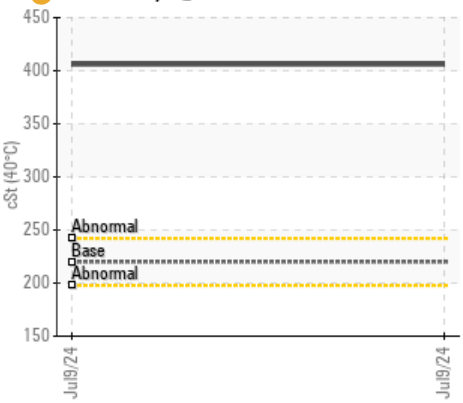
▲ Ferrous Alloys



▲ Particle Trend



● Viscosity @ 40°C



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. (Customer Sample Comment: 98996689)

PROBLEMATIC TEST RESULTS

Sample Status				**SEVERE**	---	---
Iron	ppm	ASTM D5185m	>150	▲ **643**	---	---
Particles >4µm		ASTM D7647	>10000	▲ **293333**	---	---
Particles >6µm		ASTM D7647	>2500	▲ **82444**	---	---
Oil Cleanliness		ISO 4406 (c)	>20/18/16	▲ **25/24/16**	---	---

Customer Id: KRAKIR
Sample No.: PCA0118012
Lab Number: 06233247
Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldridge +1
don.b505@comcast.net

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

RECOMMENDED ACTIONS

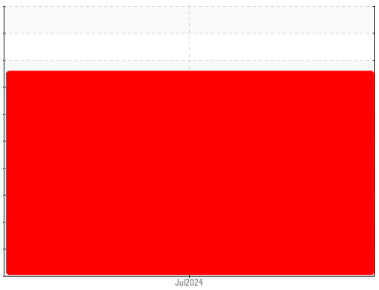
Action	Status	Date	Done By	Description
Inspect Wear Source	---	---	?	We advise that you inspect for the source(s) of wear.
Change Filter	---	---	?	We recommend you service the filters on this component if applicable.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

OIL DIAGNOSTICS

OIL ANALYSIS REPORT

Sample Rating Trend



WEAR

Area
STUFF ROOM A [98996689]
Machine Id
KR-GR-003448 (S/N 11555747)
Component
Gear Case
Fluid
GEAR OIL ISO 220 (--- GAL)

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. (Customer Sample Comment: 98996689)

▲ Wear
Gear wear is indicated.

▲ Contamination
There is a high amount of silt (particulates < 14 microns in size) 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		**PCA0118012**	---	---
Sample Date		Client Info		**09 Jul 2024**	---	---
Machine Age	hrs	Client Info		**0**	---	---
Oil Age	hrs	Client Info		**0**	---	---
Oil Changed		Client Info		**Not Changd**	---	---
Sample Status				**SEVERE**	---	---

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.1	**NEG**	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>150	▲ **643**	---	---
Chromium	ppm	ASTM D5185m	>10	**6**	---	---
Nickel	ppm	ASTM D5185m	>10	**<1**	---	---
Titanium	ppm	ASTM D5185m		**0**	---	---
Silver	ppm	ASTM D5185m		**0**	---	---
Aluminum	ppm	ASTM D5185m	>25	**0**	---	---
Lead	ppm	ASTM D5185m	>100	**0**	---	---
Copper	ppm	ASTM D5185m	>50	**0**	---	---
Tin	ppm	ASTM D5185m	>10	**0**	---	---
Vanadium	ppm	ASTM D5185m		**0**	---	---
Cadmium	ppm	ASTM D5185m		**0**	---	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	**0**	---	---
Barium	ppm	ASTM D5185m	15	**0**	---	---
Molybdenum	ppm	ASTM D5185m	15	**0**	---	---
Manganese	ppm	ASTM D5185m		**3**	---	---
Magnesium	ppm	ASTM D5185m	50	**9**	---	---
Calcium	ppm	ASTM D5185m	50	**8**	---	---
Phosphorus	ppm	ASTM D5185m	350	**330**	---	---
Zinc	ppm	ASTM D5185m	100	**244**	---	---
Sulfur	ppm	ASTM D5185m	12500	**499**	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	**6**	---	---
Sodium	ppm	ASTM D5185m		**10**	---	---
Potassium	ppm	ASTM D5185m	>20	**41**	---	---

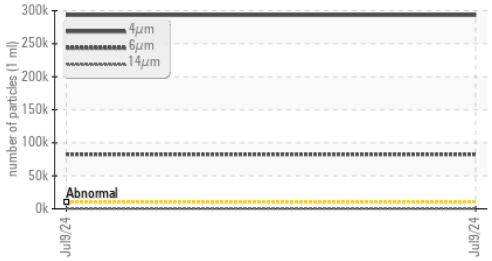
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	▲ **293333**	---	---
Particles >6µm		ASTM D7647	>2500	▲ **82444**	---	---
Particles >14µm		ASTM D7647	>640	**361**	---	---
Particles >21µm		ASTM D7647	>160	**49**	---	---
Particles >38µm		ASTM D7647	>40	**3**	---	---
Particles >71µm		ASTM D7647	>10	**0**	---	---
Oil Cleanliness		ISO 4406 (c)	>20/18/16	▲ **25/24/16**	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	**0.76**	---	---

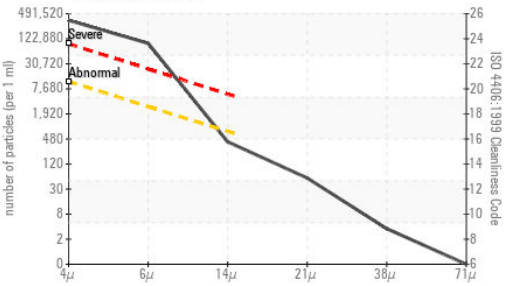
OIL DIAGNOSTICS

OIL ANALYSIS REPORT

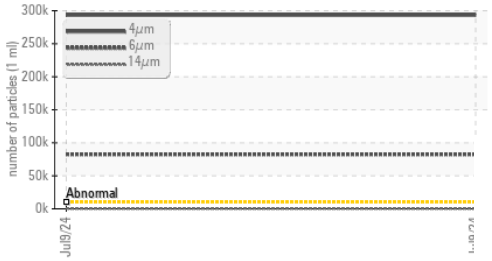
Particle Trend



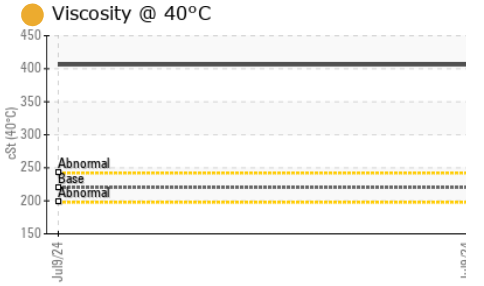
Particle Count



Particle Trend



Viscosity @ 40°C



Acid Number

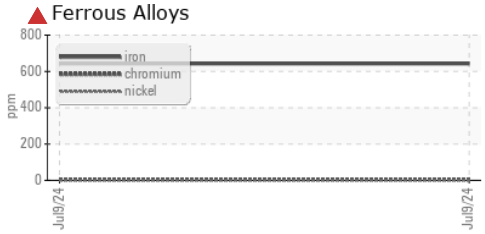
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	---	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	---	---
Precipitate	scalar	*Visual	NONE	**NONE**	---	---
Silt	scalar	*Visual	NONE	**NONE**	---	---
Debris	scalar	*Visual	NONE	**NONE**	---	---
Sand/Dirt	scalar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

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	220	**406**	---	---

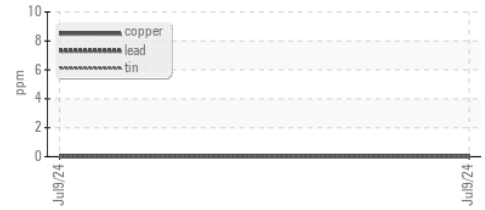
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				*no image*	*no image*
Bottom				*no image*	*no image*

GRAPHS

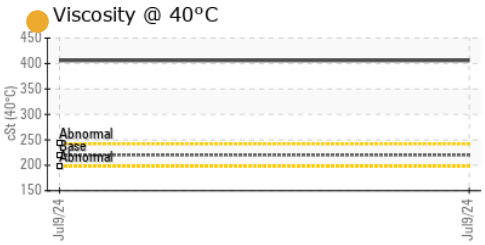
Ferrous Alloys



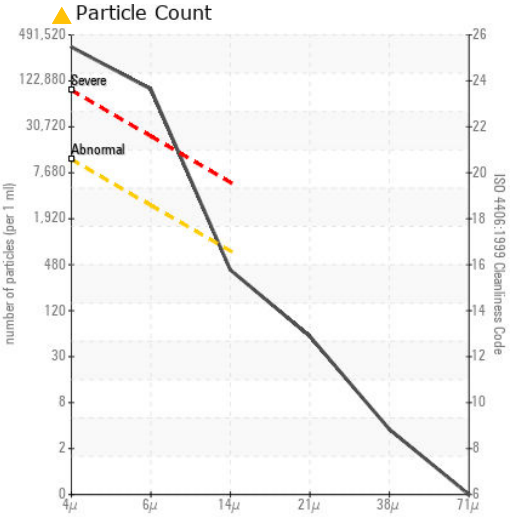
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0118012
Lab Number : 06233247
Unique Number : 11116740
Test Package : IND 2 (Additional Tests: PrtCount)

Received : 11 Jul 2024
Tested : 12 Jul 2024
Diagnosed : 12 Jul 2024 - Don Baldridge

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)

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

Report Id: KRAKIR [WUSCAR] 06233247 (Generated: 07/12/2024 15:28:40) Rev: 1

Submitted By: DAVID ROBINSON