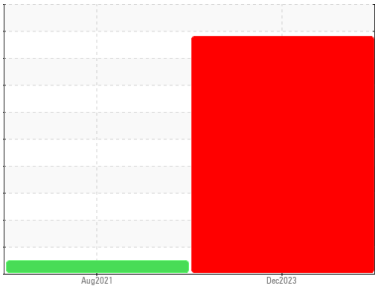
OIL DIAGNOSTICS

PROBLEM SUMMARY

Sample Rating Trend

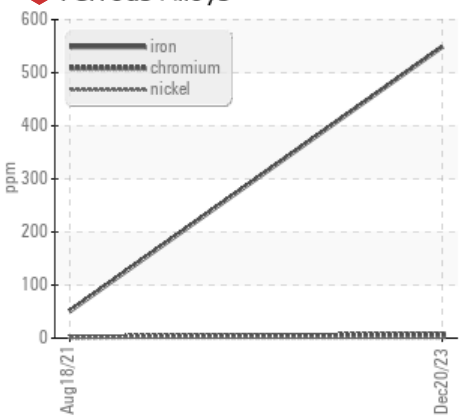


WEAR

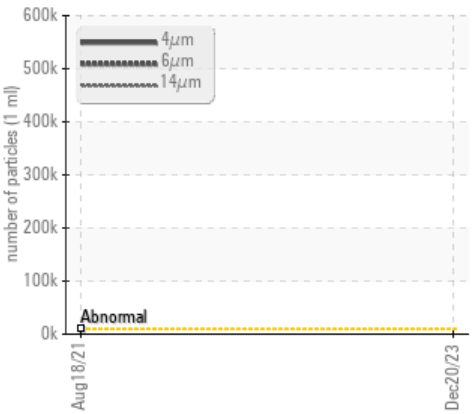
Area
SPICE [98619569]
Machine Id
KR-GR-003128 (S/N CORN SYRUP - 1152615)
Component
Pump
Fluid
GEAR OIL ISO 460 (--- QTS)

COMPONENT CONDITION SUMMARY

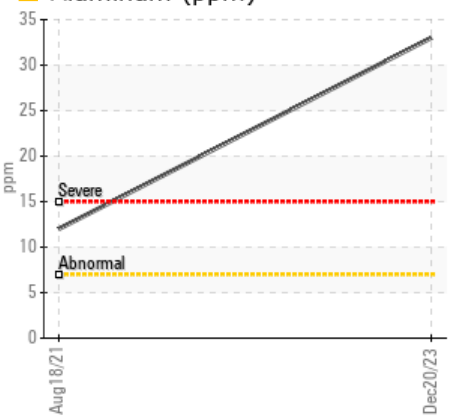
Ferrous Alloys



Particle Trend



Aluminum (ppm)



RECOMMENDATION

We recommend you service the filters on this component if applicable. We recommend an early resample to monitor this condition. (Customer Sample Comment: 98619569)

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	NORMAL	---
Iron	ppm	ASTM D5185m	>90	**549**	51	---
Aluminum	ppm	ASTM D5185m	>7	**33**	12	---
Particles >4µm		ASTM D7647	>10000	**577562**	---	---
Particles >6µm		ASTM D7647	>2500	**519721**	---	---
Particles >14µm		ASTM D7647	>640	**201036**	---	---
Particles >21µm		ASTM D7647	>160	**41911**	---	---
Oil Cleanliness		ISO 4406 (c)	>20/18/16	**26/26/25**	---	---

Customer Id: KRAKIR
Sample No.: PCA0114841
Lab Number: 06047759
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.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

18 Aug 2021 Diag: Jonathan Hester

NORMAL

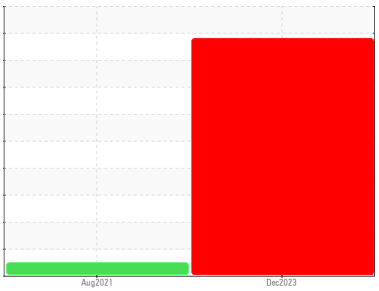
Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

view report

OIL DIAGNOSTICS

OIL ANALYSIS REPORT

Sample Rating Trend



WEAR

Area
SPICE [98619569]
Machine Id
KR-GR-003128 (S/N CORN SYRUP - 1152615)
Component
Pump
Fluid
GEAR OIL ISO 460 (--- QTS)

DIAGNOSIS

Recommendation
We recommend you service the filters on this component if applicable. We recommend an early resample to monitor this condition. (Customer Sample Comment: 98619569)

Wear
Gear wear is indicated.

Contamination
There is a high amount of particulates present in the oil.

Fluid Condition
The AN level is acceptable for this fluid.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**PCA0114841**	PCA0055992	---
Sample Date		Client Info		**20 Dec 2023**	18 Aug 2021	---
Machine Age	hrs	Client Info		**0**	0	---
Oil Age	hrs	Client Info		**0**	0	---
Oil Changed		Client Info		**Not Changd**	N/A	---
Sample Status				**SEVERE**	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>.1	**NEG**	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	**549**	51	---
Chromium	ppm	ASTM D5185m	>5	**7**	2	---
Nickel	ppm	ASTM D5185m	>5	**1**	1	---
Titanium	ppm	ASTM D5185m	>3	**0**	0	---
Silver	ppm	ASTM D5185m	>3	**0**	0	---
Aluminum	ppm	ASTM D5185m	>7	**33**	12	---
Lead	ppm	ASTM D5185m	>12	**0**	0	---
Copper	ppm	ASTM D5185m	>30	**<1**	<1	---
Tin	ppm	ASTM D5185m	>9	**0**	0	---
Antimony	ppm	ASTM D5185m		**---**	0	---
Vanadium	ppm	ASTM D5185m		**0**	0	---
Cadmium	ppm	ASTM D5185m		**0**	0	---

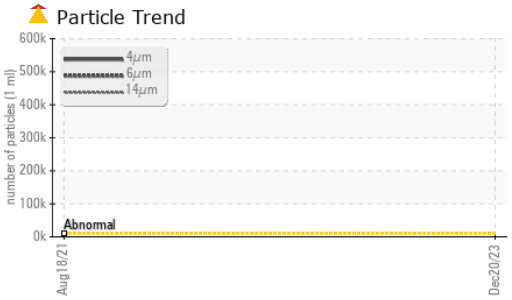
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	**0**	9	---
Barium	ppm	ASTM D5185m	15	**0**	0	---
Molybdenum	ppm	ASTM D5185m	15	**4**	61	---
Manganese	ppm	ASTM D5185m		**5**	<1	---
Magnesium	ppm	ASTM D5185m	50	**0**	0	---
Calcium	ppm	ASTM D5185m	50	**0**	16	---
Phosphorus	ppm	ASTM D5185m	350	**429**	464	---
Zinc	ppm	ASTM D5185m	100	**679**	232	---
Sulfur	ppm	ASTM D5185m	12500	**780**	4625	---

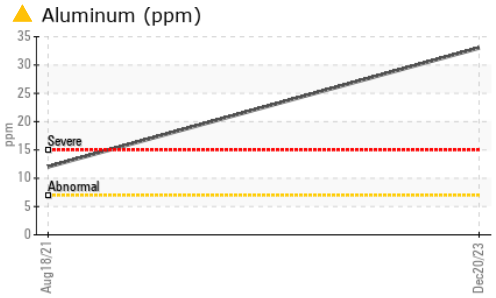
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	**31**	7	---
Sodium	ppm	ASTM D5185m		**11**	<1	---
Potassium	ppm	ASTM D5185m	>20	**2**	0	---

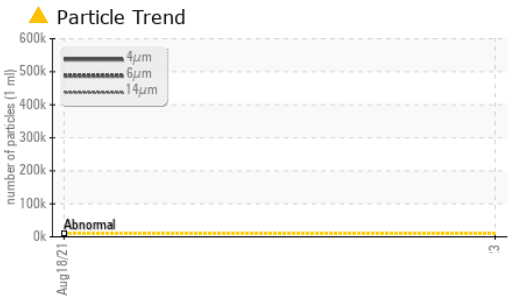
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	**577562**	---	---
Particles >6µm		ASTM D7647	>2500	**519721**	---	---
Particles >14µm		ASTM D7647	>640	**201036**	---	---
Particles >21µm		ASTM D7647	>160	**41911**	---	---
Particles >38µm		ASTM D7647	>40	**7**	---	---
Particles >71µm		ASTM D7647	>10	**0**	---	---
Oil Cleanliness		ISO 4406 (c)	>20/18/16	**26/26/25**	---	---

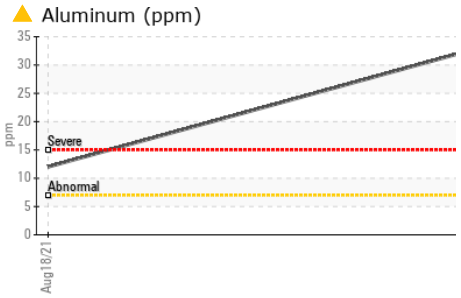
OIL ANALYSIS REPORT

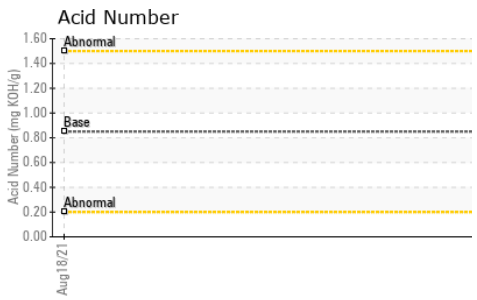
OIL DIAGNOSTICS







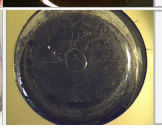




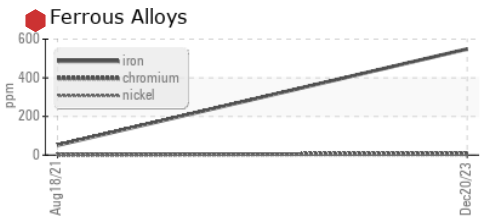
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	**0.61**	---	---

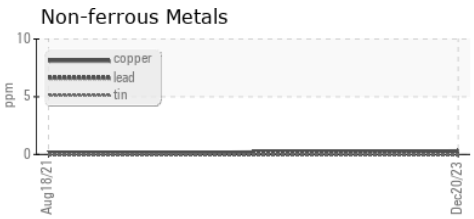
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	VLITE	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	---
Silt	scalar	*Visual	NONE	**MODER**	NONE	---
Debris	scalar	*Visual	NONE	**NONE**	NONE	---
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	---
Appearance	scalar	*Visual	NORML	**NORML**	NORML	---
Odor	scalar	*Visual	NORML	**NORML**	NORML	---
Emulsified Water	scalar	*Visual	>.1	**NEG**	NEG	---
Free Water	scalar	*Visual		**NEG**	NEG	---

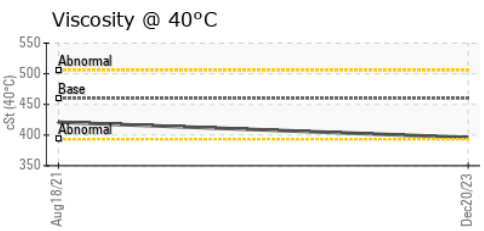
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	460	**396**	421	---

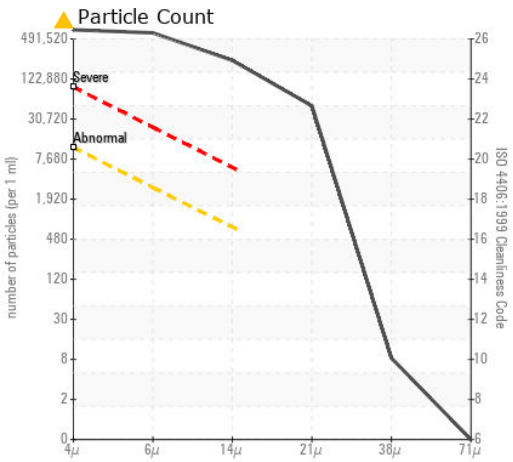
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					*no image*
Bottom					*no image*

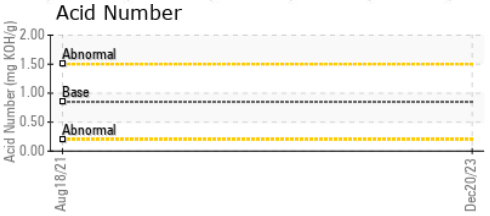
GRAPHS











Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0114841 **Recieved** : 29 Dec 2023
Lab Number : 06047759 **Diagnosed** : 02 Jan 2024
Unique Number : 10808367 **Diagnostician** : Doug Bogart
Test Package : IND 2 (Additional Tests: PrtCount)

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)

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Report Id: KRAKIR [WUSCAR] 06047759 (Generated: 01/02/2024 08:59:17) Rev: 1

Submitted By: Wilberto Pacheco Garcia