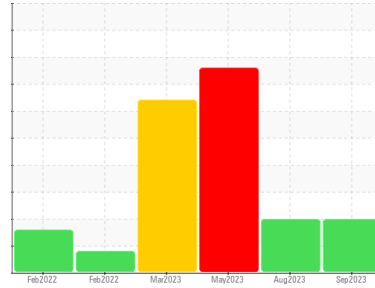




PROBLEM SUMMARY

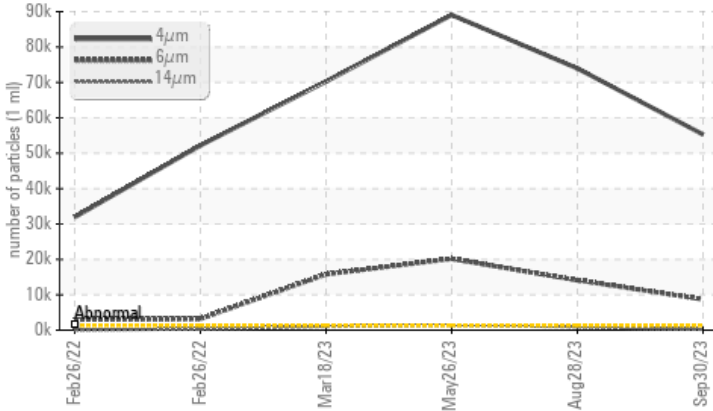
Sample Rating Trend



Area
PASTA [98497960]
 Machine Id
A PRESS MAIN MIXER ROTOMISSION
 Component
Gearbox
 Fluid
GEAR OIL ISO 150 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

The oil change at the time of sampling has been noted. We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	ABNORMAL	SEVERE
Particles >4µm	ASTM D7647	>1300	▲ 55285	▲ 73971	● 89083
Particles >6µm	ASTM D7647	>320	▲ 8688	▲ 14114	● 20159
Particles >14µm	ASTM D7647	>80	▲ 194	▲ 888	● 1405
Particles >21µm	ASTM D7647	>20	▲ 21	▲ 138	● 253
Oil Cleanliness	ISO 4406 (c)	>17/15/13	▲ 23/20/15	▲ 23/21/17	● 24/22/18

Customer Id: KRASPRMO
 Sample No.: PCA0099590
 Lab Number: 05977053
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Jonathan Hester +1 919-379-4092 x4092
jhester@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.

HISTORICAL DIAGNOSIS

28 Aug 2023 Diag: Doug Bogart

ISO



The oil change at the time of sampling has been noted. We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

view report



26 May 2023 Diag: Don Baldrige

ISO



The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

view report



18 Mar 2023 Diag: Doug Bogart

ISO

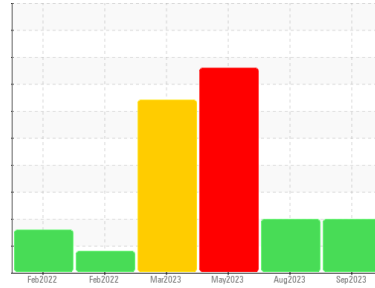


The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

view report



Area
PASTA [98497960]
 Machine Id
A PRESS MAIN MIXER ROTOMISSION
 Component
Gearbox
 Fluid
GEAR OIL ISO 150 (--- GAL)



DIAGNOSIS

Recommendation
 The oil change at the time of sampling has been noted. We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

Wear
 All component wear rates are normal.

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

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	PCA0099590	PCA0099592	PCA0099603
Sample Date	Client Info	30 Sep 2023	28 Aug 2023	26 May 2023
Machine Age	hrs	0	0	0
Oil Age	hrs	0	0	0
Oil Changed	Client Info	Changed	Changed	Changed
Sample Status		ABNORMAL	ABNORMAL	SEVERE

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185m >200	12	16	15
Chromium ppm	ASTM D5185m >15	0	0	0
Nickel ppm	ASTM D5185m >15	0	0	0
Titanium ppm	ASTM D5185m	0	0	0
Silver ppm	ASTM D5185m	0	0	0
Aluminum ppm	ASTM D5185m >25	0	1	0
Lead ppm	ASTM D5185m >100	7	7	8
Copper ppm	ASTM D5185m >200	0	0	0
Tin ppm	ASTM D5185m >25	0	0	0
Vanadium ppm	ASTM D5185m	0	0	0
Cadmium ppm	ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185m 50	0	0	0
Barium ppm	ASTM D5185m 15	0	0	0
Molybdenum ppm	ASTM D5185m 15	0	0	0
Manganese ppm	ASTM D5185m	0	0	0
Magnesium ppm	ASTM D5185m 50	<1	2	0
Calcium ppm	ASTM D5185m 50	4	<1	0
Phosphorus ppm	ASTM D5185m 350	108	108	117
Zinc ppm	ASTM D5185m 100	0	0	0
Sulfur ppm	ASTM D5185m 12500	0	0	2

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >50	2	4	3
Sodium ppm	ASTM D5185m	0	1	<1
Potassium ppm	ASTM D5185m >20	<1	3	0

FLUID CLEANLINESS

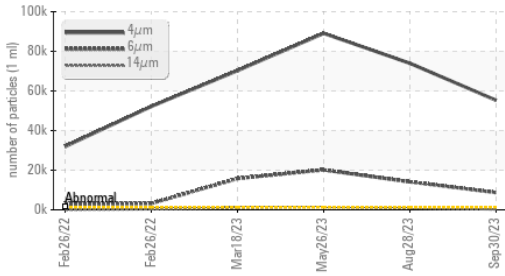
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >1300	▲ 55285	▲ 73971	● 89083
Particles >6µm	ASTM D7647 >320	▲ 8688	▲ 14114	● 20159
Particles >14µm	ASTM D7647 >80	▲ 194	▲ 888	● 1405
Particles >21µm	ASTM D7647 >20	▲ 21	▲ 138	● 253
Particles >38µm	ASTM D7647 >4	2	1	3
Particles >71µm	ASTM D7647 >3	0	0	0
Oil Cleanliness	ISO 4406 (c) >17/15/13	▲ 23/20/15	▲ 23/21/17	● 24/22/18

FLUID DEGRADATION

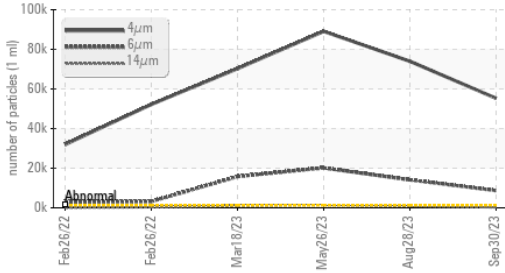
method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g	ASTM D8045 0.85	0.36	0.29	0.39

OIL ANALYSIS REPORT

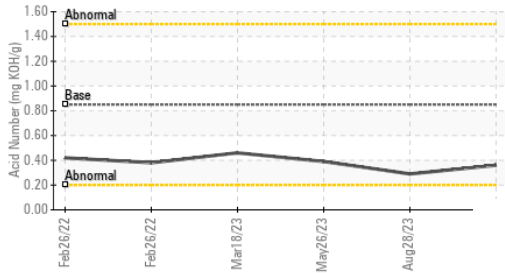
▲ Particle Trend



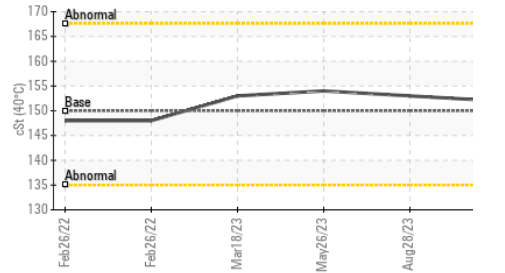
▲ Particle Trend



Acid Number



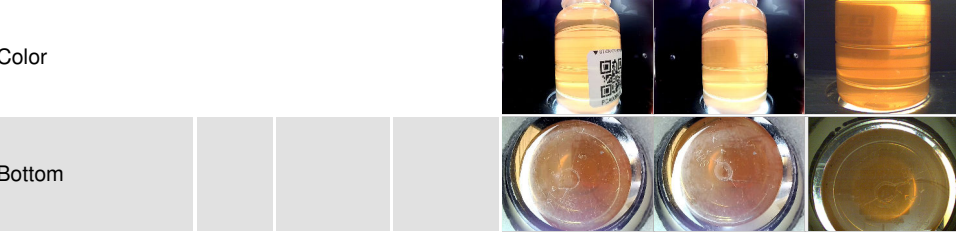
Viscosity @ 40°C



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT
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

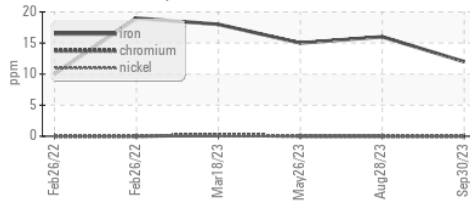
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	150	152	153

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------

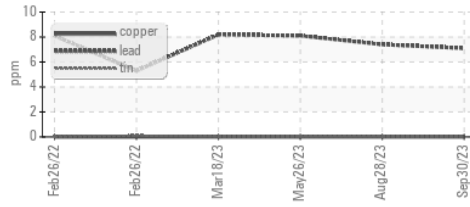


GRAPHS

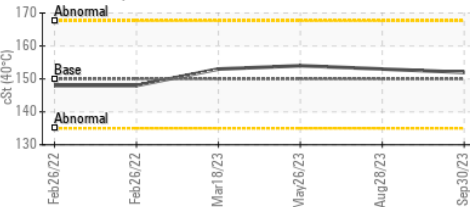
Ferrous Alloys



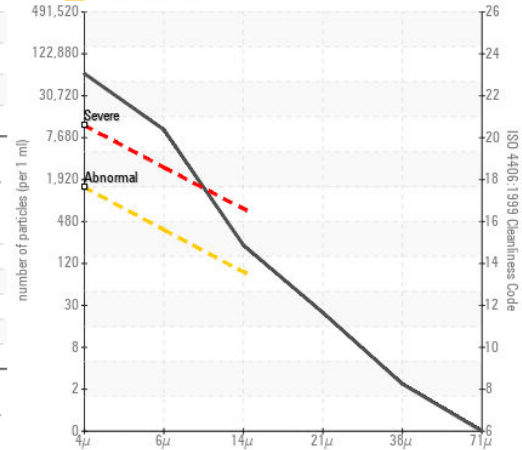
Non-ferrous Metals



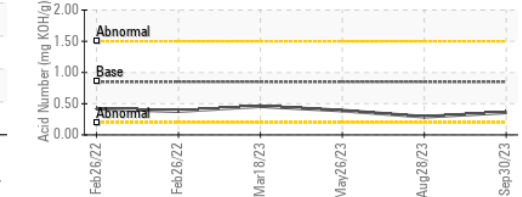
Viscosity @ 40°C



▲ Particle Count



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0099590 **Received** : 12 Oct 2023
Lab Number : 05977053 **Diagnosed** : 19 Oct 2023
Unique Number : 10689003 **Diagnostician** : Jonathan Hester
Test Package : IND 2 (Additional Tests: PrtCount)

KraftHeinz - Springfield - Plant 8311 PCA
 2035 E BENNETT
 SPRINGFIELD, MO
 US 65804
 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: