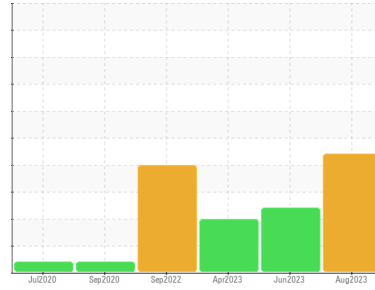




PROBLEM SUMMARY

Sample Rating Trend



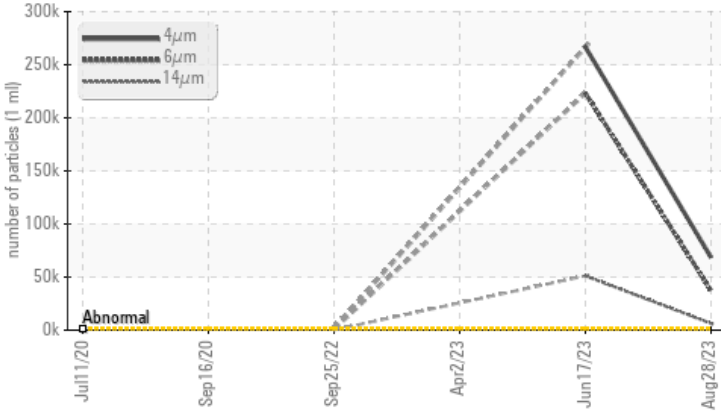
WATER



Area
PASTA [98412330]
 Machine Id
C PRESS VACCUM MIXER
 Component
Gearbox
 Fluid
GEAR OIL ISO 320 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	ABNORMAL	ABNORMAL
Particles >4µm	ASTM D7647	>1300	▲ 68527	▲ 266663	---
Particles >6µm	ASTM D7647	>320	▲ 37331	▲ 223246	---
Particles >14µm	ASTM D7647	>80	▲ 6353	▲ 51135	---
Particles >21µm	ASTM D7647	>20	▲ 2140	▲ 7056	---
Particles >38µm	ASTM D7647	>4	▲ 330	▲ 15	---
Particles >71µm	ASTM D7647	>3	▲ 34	0	---
Oil Cleanliness	ISO 4406 (c)	>17/15/13	▲ 23/22/20	▲ 25/25/23	---
Free Water	scalar	*Visual	▲ 2.0	NEG	▲ 1.0

Customer Id: KRASPRMO
 Sample No.: PCA0099594
 Lab Number: 05958641
 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

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

17 Jun 2023 Diag: Don Baldrige

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 suitable for further service.

view report



02 Apr 2023 Diag: Doug Bogart

WATER



We advise that you follow the water drain-off procedure for this component. 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. All component wear rates are normal. Free water present. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



25 Sep 2022 Diag: Jonathan Hester

WATER



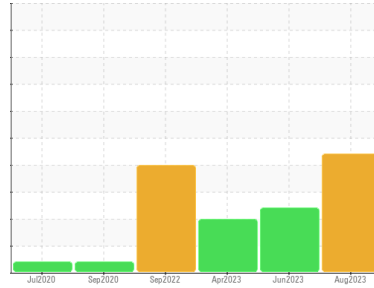
The oil change at the time of sampling has been noted. We advise that you follow the water drain-off procedure for this component, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high amount of particulates present in the oil. Free water present. The AN level is acceptable for this fluid.

view report



OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Area
PASTA [98412330]
 Machine Id
C PRESS VACCUM MIXER
 Component
Gearbox
 Fluid
GEAR OIL ISO 320 (--- GAL)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. 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. Free water present.

Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0099594	PCA0073971	PCA0073976
Sample Date	Client Info	28 Aug 2023	17 Jun 2023	02 Apr 2023
Machine Age	hrs	0	0	0
Oil Age	hrs	0	0	0
Oil Changed	Client Info	Changed	Changed	Changed
Sample Status		ABNORMAL	ABNORMAL	ABNORMAL

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >200	145	37	3
Chromium	ppm	ASTM D5185m >15	0	0	0
Nickel	ppm	ASTM D5185m >15	0	0	0
Titanium	ppm	ASTM D5185m	0	<1	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	1	<1	0
Lead	ppm	ASTM D5185m >100	0	0	0
Copper	ppm	ASTM D5185m >200	<1	<1	<1
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	2	<1	<1
Magnesium	ppm	ASTM D5185m 50	2	<1	1
Calcium	ppm	ASTM D5185m 50	0	0	0
Phosphorus	ppm	ASTM D5185m 350	536	472	448
Zinc	ppm	ASTM D5185m 100	0	2	0
Sulfur	ppm	ASTM D5185m 12500	1698	1365	1236

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >50	27	29	38
Sodium	ppm	ASTM D5185m	11	4	<1
Potassium	ppm	ASTM D5185m >20	5	1	0
Water	%	ASTM D6304 >0.2	0.178	---	0.120
ppm Water	ppm	ASTM D6304 >2000	1780	---	1200

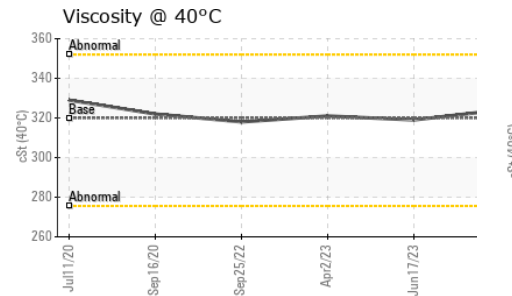
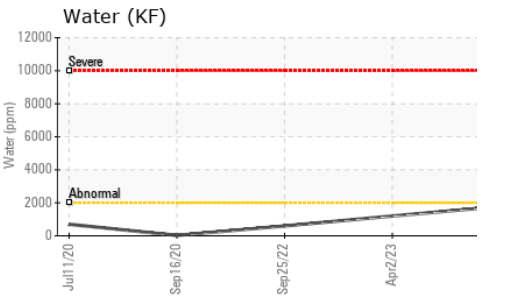
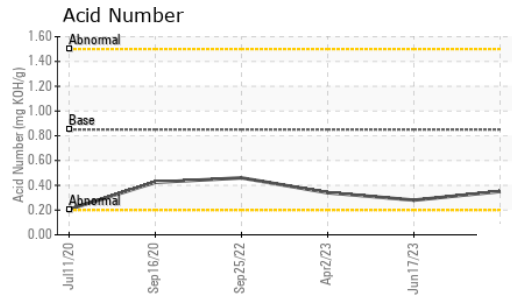
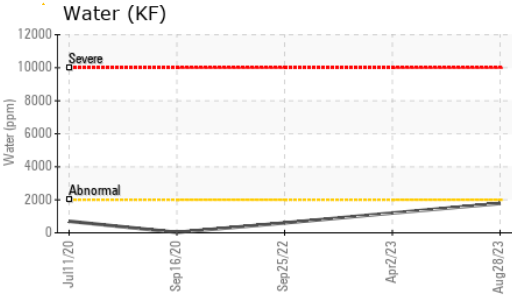
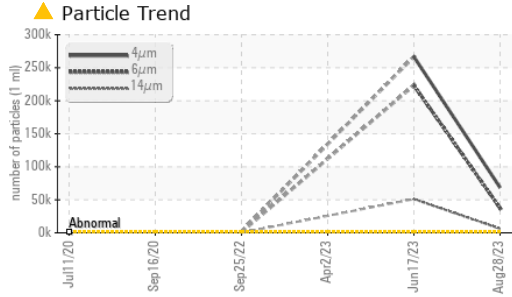
FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >1300	▲ 68527	▲ 266663	---
Particles >6µm	ASTM D7647 >320	▲ 37331	▲ 223246	---
Particles >14µm	ASTM D7647 >80	▲ 6353	▲ 51135	---
Particles >21µm	ASTM D7647 >20	▲ 2140	▲ 7056	---
Particles >38µm	ASTM D7647 >4	▲ 330	▲ 15	---
Particles >71µm	ASTM D7647 >3	▲ 34	0	---
Oil Cleanliness	ISO 4406 (c) >17/15/13	▲ 23/22/20	▲ 25/25/23	---

FLUID DEGRADATION

method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045 0.85	0.35	0.28	0.34

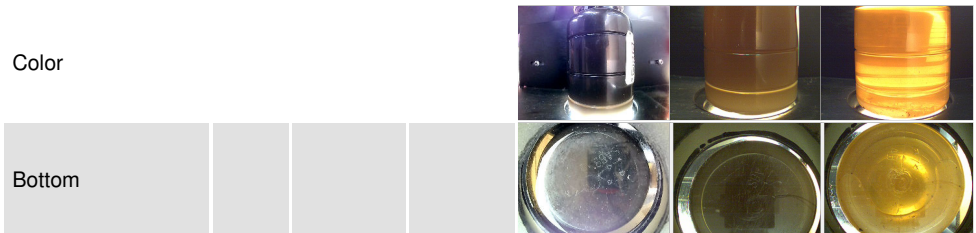
OIL ANALYSIS REPORT



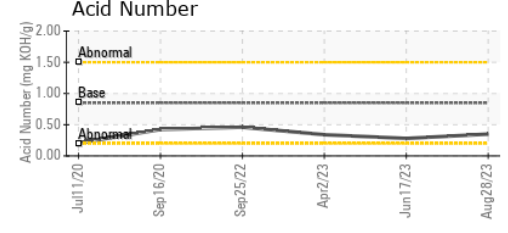
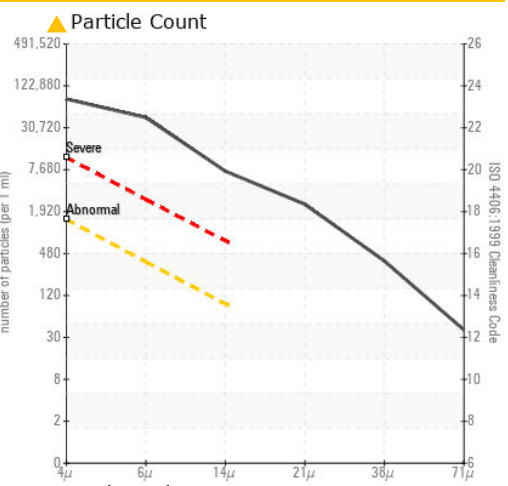
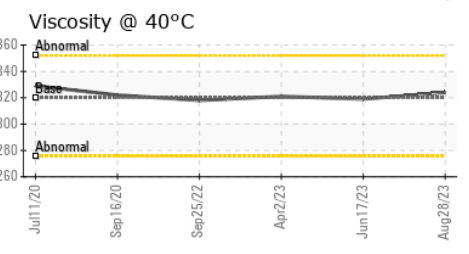
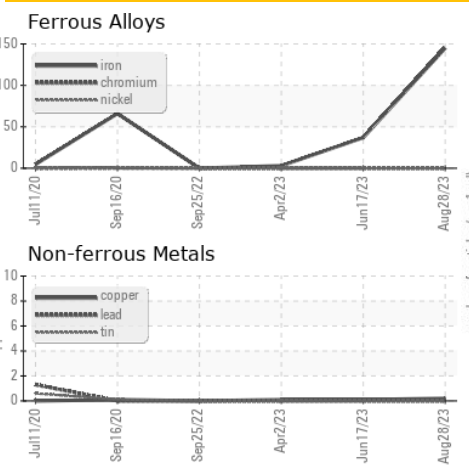
PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	0.2%	NEG
Free Water	scalar	*Visual		▲ 2.0	NEG

PARAMETER	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	320	324	319

PARAMETER	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0099594
Lab Number : 05958641
Unique Number : 10659854
Test Package : IND 2 (Additional Tests: KF, 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: