

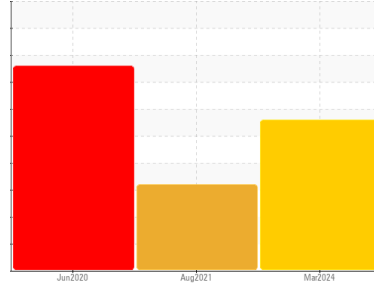
PROBLEM SUMMARY

Sample Rating Trend

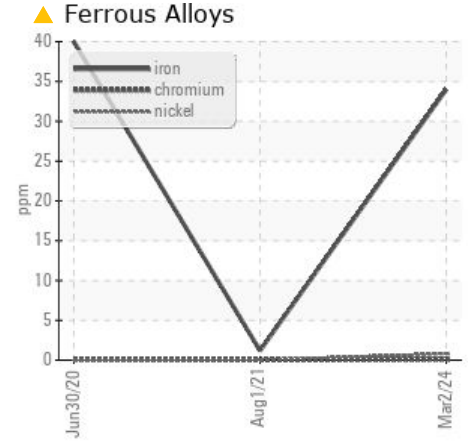
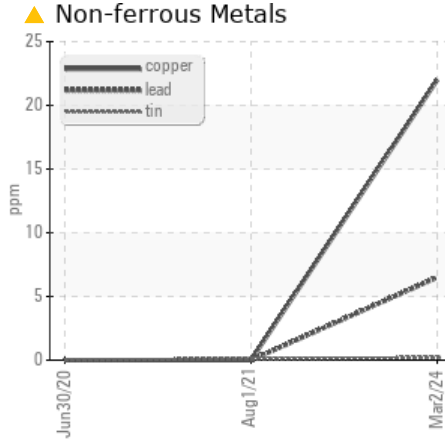
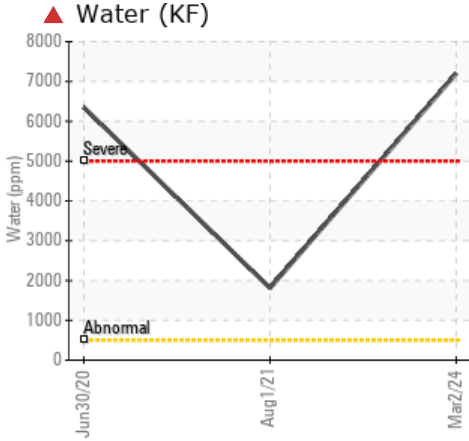
WATER



Area
Process Cheese [98842934]
Machine Id
4 BARREL LIFT
Component
Hydraulic System
Fluid
AW HYDRAULIC OIL ISO 46 (--- GAL)



COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend you service the filters on this component. We recommend an early resample to monitor this condition. There is too much water present in this sample to perform a particle count.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	ABNORMAL	SEVERE
Iron	ppm	ASTM D5185m	>20	▲ 34	1	▲ 40
Copper	ppm	ASTM D5185m	>20	▲ 22	0	0
Water	%	ASTM D6304	>0.05	▲ 0.720	▲ 0.181	▲ 0.635
ppm Water	ppm	ASTM D6304	>500	▲ 7200	▲ 1810	▲ 6350
Silt	scalar	*Visual	NONE	▲ MODER	▲ MODER	▲ MODER
Emulsified Water	scalar	*Visual	>0.05	▲ 0.2%	0.2%	▲ 0.2%

Customer Id: KRASPRMO
Sample No.: PCA0117976
Lab Number: 06120823
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldrige +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
Change Filter	---	---	?	We recommend you service the filters on this component.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Check Water Access	---	---	?	We advise that you check for the source of water entry.

HISTORICAL DIAGNOSIS

01 Aug 2021 Diag: Jonathan Hester

WATER



The oil change at the time of sampling has been noted. We recommend you service the filters on 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. Appearance is hazy. There is a light concentration of water present in the oil. There is a moderate amount of visible silt present in the sample. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



30 Jun 2020 Diag: Don Baldrige

WATER

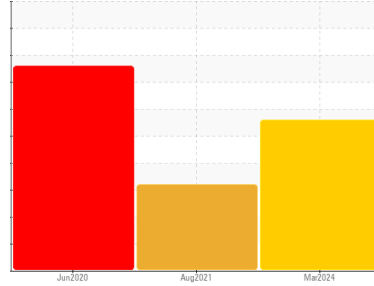


We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend you service the filters on this component. We recommend an early resample to monitor this condition. There is too much water present in this sample to perform a particle count. The iron level is abnormal. High concentration of visible dirt/debris present in the oil. There is a moderate amount of visible silt present in the sample. There is a high concentration of water present in the oil. Free water present. The AN level is acceptable for this fluid.

view report



Area
Process Cheese [98842934]
Machine Id
4 BARREL LIFT
Component
Hydraulic System
Fluid
AW HYDRAULIC OIL ISO 46 (--- GAL)



DIAGNOSIS

▲ Recommendation

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend you service the filters on this component. We recommend an early resample to monitor this condition. There is too much water present in this sample to perform a particle count.

▲ Wear

The iron level is abnormal. The copper level is abnormal.

▲ Contamination

There is a moderate amount of visible silt present in the sample. There is a high concentration of water 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		PCA0117976	PCA0053989	PCA0024896
Sample Date	Client Info		02 Mar 2024	01 Aug 2021	30 Jun 2020
Machine Age	hrs	Client Info	0	0	0
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		Changed	Changed	Changed
Sample Status			SEVERE	ABNORMAL	SEVERE

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	▲ 34	1	▲ 40
Chromium	ppm	ASTM D5185m >20	< 1	0	<1
Nickel	ppm	ASTM D5185m >20	< 1	0	0
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >20	< 1	0	1
Lead	ppm	ASTM D5185m >20	6	0	0
Copper	ppm	ASTM D5185m >20	▲ 22	0	0
Tin	ppm	ASTM D5185m >20	< 1	<1	0
Antimony	ppm	ASTM D5185m	---	0	0
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	< 1	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 5	0	<1	<1
Barium	ppm	ASTM D5185m 5	0	0	0
Molybdenum	ppm	ASTM D5185m 5	0	0	0
Manganese	ppm	ASTM D5185m	< 1	0	<1
Magnesium	ppm	ASTM D5185m 25	0	0	0
Calcium	ppm	ASTM D5185m 200	4	0	<1
Phosphorus	ppm	ASTM D5185m 300	395	64	151
Zinc	ppm	ASTM D5185m 370	247	0	2
Sulfur	ppm	ASTM D5185m 2500	1167	3	32

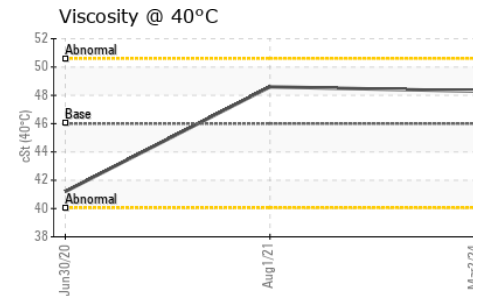
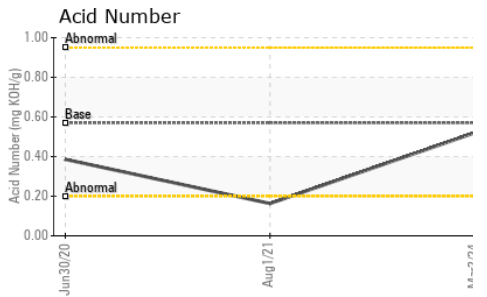
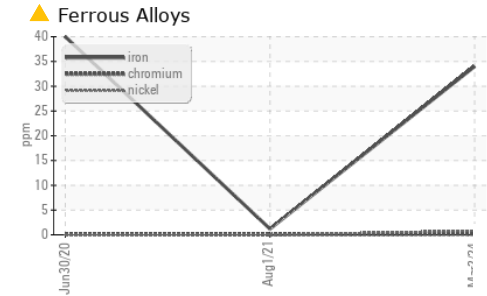
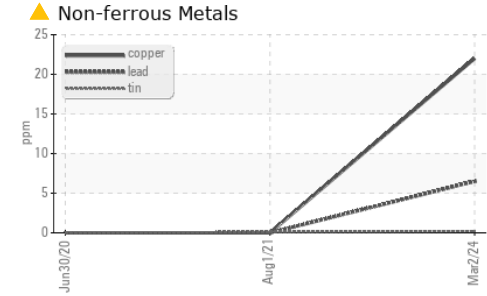
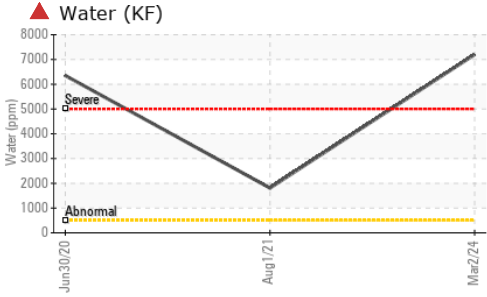
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	2	<1	3
Sodium	ppm	ASTM D5185m	3	<1	1
Potassium	ppm	ASTM D5185m >20	0	0	0
Water	%	ASTM D6304 >0.05	▲ 0.720	▲ 0.181	▲ 0.635
ppm Water	ppm	ASTM D6304 >500	▲ 7200	▲ 1810	▲ 6350

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.57	0.52	0.163	0.386

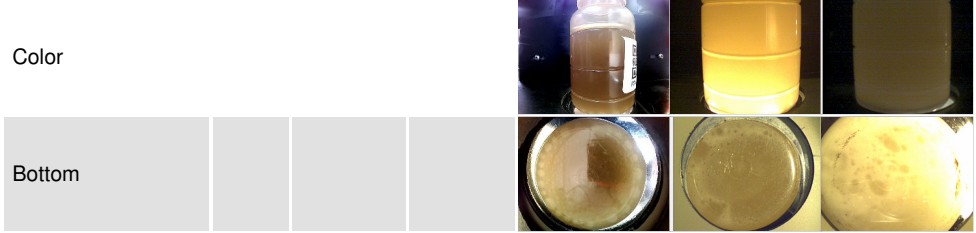
OIL ANALYSIS REPORT



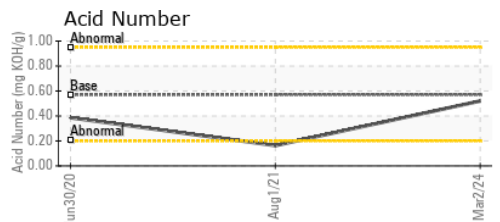
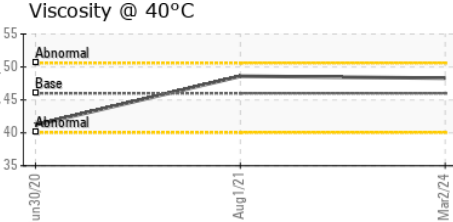
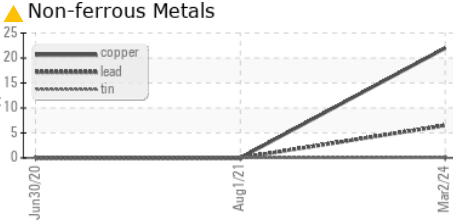
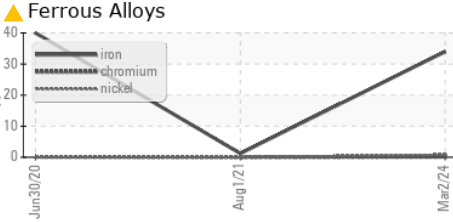
PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	▲ MODER	▲ MODER
Debris	scalar	*Visual	NONE	NONE	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	● HAZY	● HAZY
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	▲ 0.2%	▲ 0.2%
Free Water	scalar	*Visual		NEG	▲ 1.0

PARAMETER	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	48.3	48.6	41.2

PARAMETER	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0117976 **Received** : 18 Mar 2024
Lab Number : 06120823 **Tested** : 20 Mar 2024
Unique Number : 10929656 **Diagnosed** : 20 Mar 2024 - Don Baldrige
Test Package : IND 2 (Additional Tests: KF)

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: