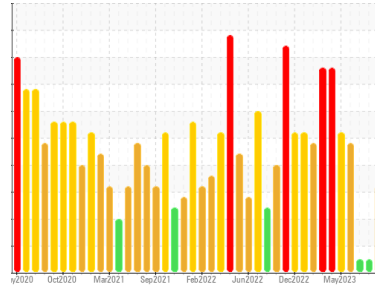


PROBLEM SUMMARY

Area
GRANITE [98421475]
 Machine Id
KR-GR-003074 - DUMPER 1C - REWORK (S/N GRIND A - 11555366)
 Component
Hydraulic System
 Fluid
AW HYDRAULIC OIL ISO 68 (10 GAL)

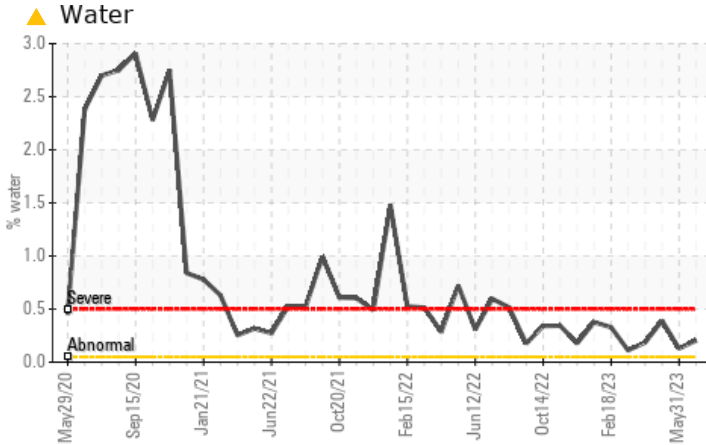
Sample Rating Trend



WATER



COMPONENT CONDITION SUMMARY



RECOMMENDATION

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. 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.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	NORMAL
Water	%	ASTM D6304	>0.05	▲ 0.204	---	---
ppm Water	ppm	ASTM D6304	>500	▲ 2040	---	---
Silt	scalar	*Visual	NONE	▲ MODER	NONE	NONE
Appearance	scalar	*Visual	NORML	▲ MILKY	NORML	NORML

Customer Id: KRAKIR
Sample No.: PCA0103744
Lab Number: 05924832
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
Water Drain-off	---	---	?	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.
Alert	---	---	?	We were unable to perform a particle count due to a high concentration of particles present in this sample.

HISTORICAL DIAGNOSIS

31 Jul 2023 Diag:

UNKNOWN



[view report](#)



07 Jul 2023 Diag: Angela Borella

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](#)



31 May 2023 Diag: Don Baldrige

WATER

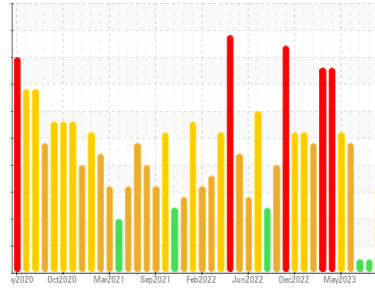


We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of visible silt present in the sample. There is a light concentration of water present in the oil. Free water present. The condition of the oil is acceptable for the time in service.

[view report](#)



Area
GRANITE [98421475]
 Machine Id
KR-GR-003074 - DUMPER 1C - REWORK (S/N GRIND A - 11555366)
 Component
Hydraulic System
 Fluid
AW HYDRAULIC OIL ISO 68 (10 GAL)



DIAGNOSIS

Recommendation
 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. 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.

Wear
 All component wear rates are normal.

Contamination
 Appearance is milky. There is a light concentration of water present in the oil. There is a moderate amount of visible silt present in the sample.

Fluid Condition
 The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			PCA0103744	PCA0102551	PCA0099353
Sample Date	Client Info			10 Aug 2023	31 Jul 2023	07 Jul 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed	Client Info			N/A	N/A	N/A
Sample Status				ABNORMAL	---	NORMAL

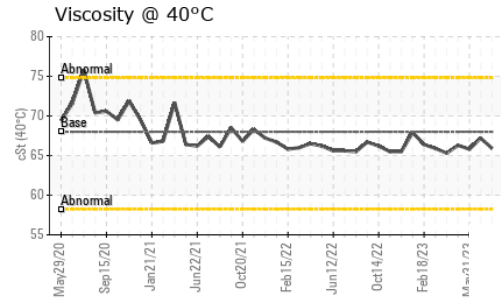
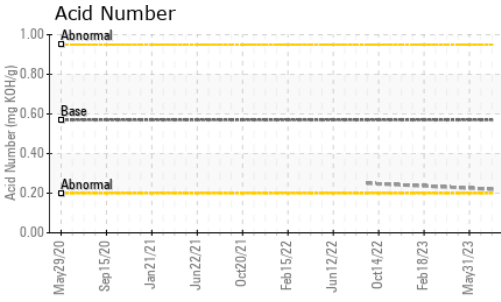
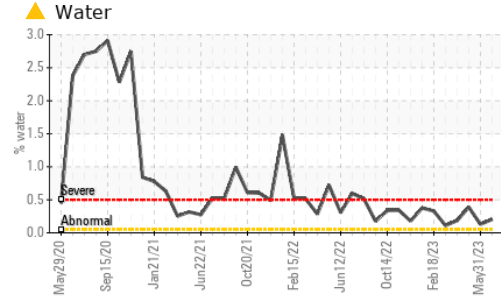
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	2	---	2
Chromium	ppm	ASTM D5185m	>20	0	---	<1
Nickel	ppm	ASTM D5185m	>20	0	---	0
Titanium	ppm	ASTM D5185m		0	---	0
Silver	ppm	ASTM D5185m		0	---	0
Aluminum	ppm	ASTM D5185m	>20	1	---	1
Lead	ppm	ASTM D5185m	>20	0	---	0
Copper	ppm	ASTM D5185m	>20	<1	---	1
Tin	ppm	ASTM D5185m	>20	0	---	0
Vanadium	ppm	ASTM D5185m		0	---	0
Cadmium	ppm	ASTM D5185m		0	---	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	---	0
Barium	ppm	ASTM D5185m	5	0	---	0
Molybdenum	ppm	ASTM D5185m	5	0	---	0
Manganese	ppm	ASTM D5185m		0	---	<1
Magnesium	ppm	ASTM D5185m	25	<1	---	0
Calcium	ppm	ASTM D5185m	200	0	---	0
Phosphorus	ppm	ASTM D5185m	300	331	---	230
Zinc	ppm	ASTM D5185m	370	1	---	0
Sulfur	ppm	ASTM D5185m	2500	355	---	566

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	---	2
Sodium	ppm	ASTM D5185m		0	---	<1
Potassium	ppm	ASTM D5185m	>20	0	---	0
Water	%	ASTM D6304	>0.05	▲ 0.204	---	---
ppm Water	ppm	ASTM D6304	>500	▲ 2040	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.22	---	---

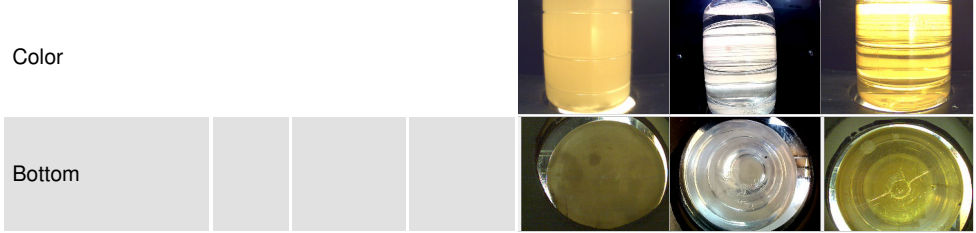
OIL ANALYSIS REPORT



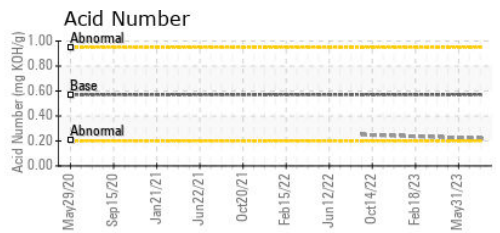
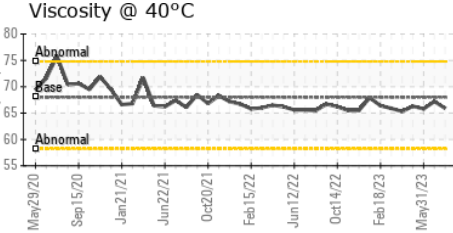
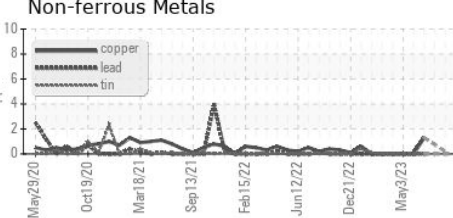
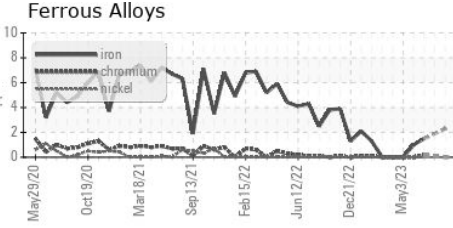
PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	▲ MODER	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	68	65.9	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0103744 **Received** : 15 Aug 2023
Lab Number : 05924832 **Diagnosed** : 16 Aug 2023
Unique Number : 10604779 **Diagnostician** : Jonathan Hester
Test Package : IND 2 (Additional Tests: KF)

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

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)