

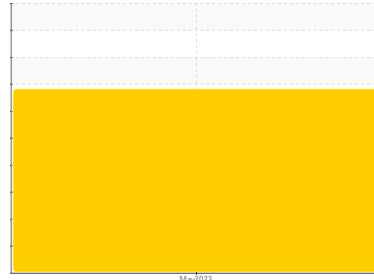
PROBLEM SUMMARY

Sample Rating Trend

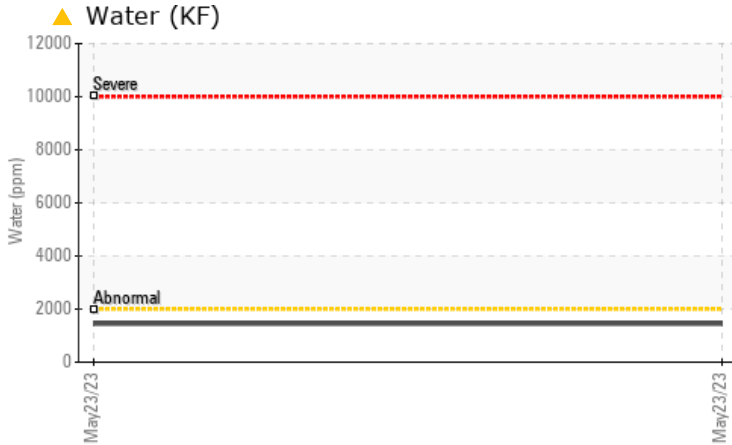
WATER



Area
[98197254]
 Machine Id
KR-GR-001008 - DEMOLD MANIPLUX CRANE
 Component
Gearbox
 Fluid
GEAR OIL ISO 460 (--- GAL)



COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	---	---
Water	%	ASTM D6304	>0.2	▲ 0.145	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 1450	---	---
Debris	scalar	*Visual	NONE	▲ MODER	---	---
Free Water	scalar	*Visual		● 10.0	---	---

Customer Id: KRAKIR
Sample No.: PCA0096602
Lab Number: 05858295
Test Package: IND 1



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.
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

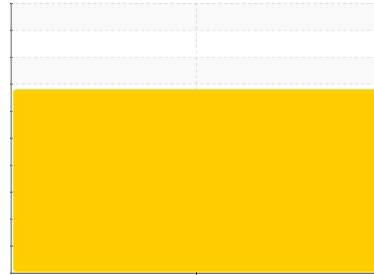
OIL ANALYSIS REPORT

Sample Rating Trend

WATER



Area
[98197254]
 Machine Id
KR-GR-001008 - DEMOLD MANIPLUX CRANE
 Component
Gearbox
 Fluid
GEAR OIL ISO 460 (--- GAL)



DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

Excessive free water present. There is a trace of moisture present in the oil. Moderate concentration of visible dirt/debris present in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0096602	---	---
Sample Date	Client Info	23 May 2023	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		SEVERE	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185m >200	11	---	---
Chromium ppm	ASTM D5185m >15	<1	---	---
Nickel ppm	ASTM D5185m >15	<1	---	---
Titanium ppm	ASTM D5185m	0	---	---
Silver ppm	ASTM D5185m	0	---	---
Aluminum ppm	ASTM D5185m >25	0	---	---
Lead ppm	ASTM D5185m >100	<1	---	---
Copper ppm	ASTM D5185m >200	<1	---	---
Tin ppm	ASTM D5185m >25	0	---	---
Vanadium ppm	ASTM D5185m	0	---	---
Cadmium ppm	ASTM D5185m	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185m 50	0	---	---
Barium ppm	ASTM D5185m 15	<1	---	---
Molybdenum ppm	ASTM D5185m 15	165	---	---
Manganese ppm	ASTM D5185m	<1	---	---
Magnesium ppm	ASTM D5185m 50	2	---	---
Calcium ppm	ASTM D5185m 50	30	---	---
Phosphorus ppm	ASTM D5185m 350	546	---	---
Zinc ppm	ASTM D5185m 100	18	---	---
Sulfur ppm	ASTM D5185m 12500	10095	---	---

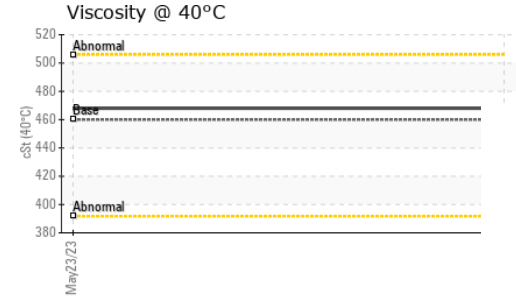
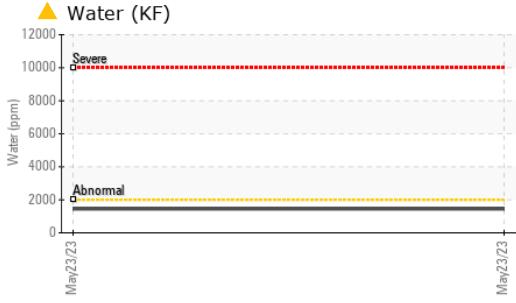
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >50	8	---	---
Sodium ppm	ASTM D5185m	4	---	---
Potassium ppm	ASTM D5185m >20	2	---	---
Water %	ASTM D6304 >0.2	▲ 0.145	---	---
ppm Water	ASTM D6304 >2000	▲ 1450	---	---

VISUAL

method	limit/base	current	history1	history2
White Metal scalar	*Visual NONE	NONE	---	---
Yellow Metal scalar	*Visual NONE	NONE	---	---
Precipitate scalar	*Visual NONE	NONE	---	---
Silt scalar	*Visual NONE	MODER	---	---
Debris scalar	*Visual NONE	▲ MODER	---	---
Sand/Dirt scalar	*Visual NONE	NONE	---	---
Appearance scalar	*Visual NORML	NORML	---	---
Odor scalar	*Visual NORML	NORML	---	---
Emulsified Water scalar	*Visual >0.2	0.2%	---	---
Free Water scalar	*Visual	● 10.0	---	---

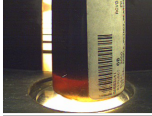

OIL ANALYSIS REPORT



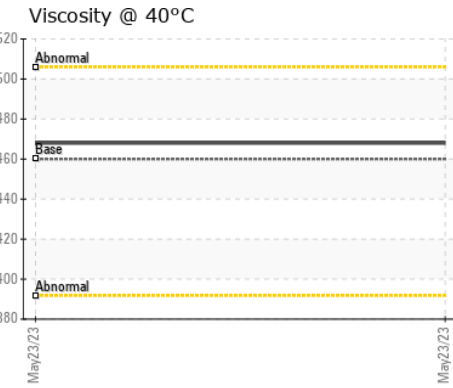
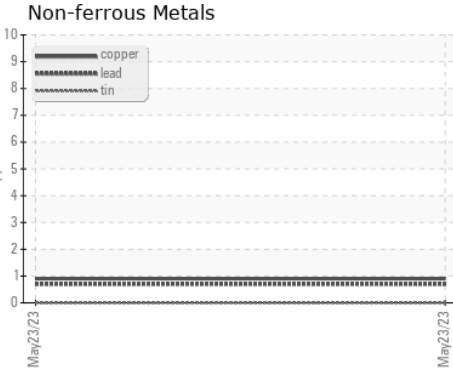
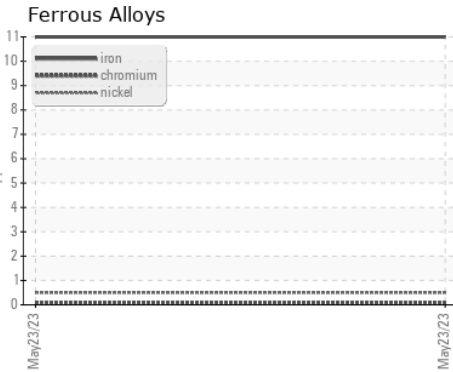
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	460 468	---	---

SAMPLE IMAGES

method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0096602 **Received** : 26 May 2023
Lab Number : **05858295** **Diagnosed** : 31 May 2023
Unique Number : 10492760 **Diagnostician** : Jonathan Hester
Test Package : IND 1 (Additional Tests: KF)

KraftHeinz - Kirksville - Plant 8333 PCA
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 KIRKSVILLE, MO
 US 63501
 Contact: WALLACE WARD
 wallace.ward@kraftheinzcompany.com
 T: (660)627-1031
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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)