

PROBLEM SUMMARY

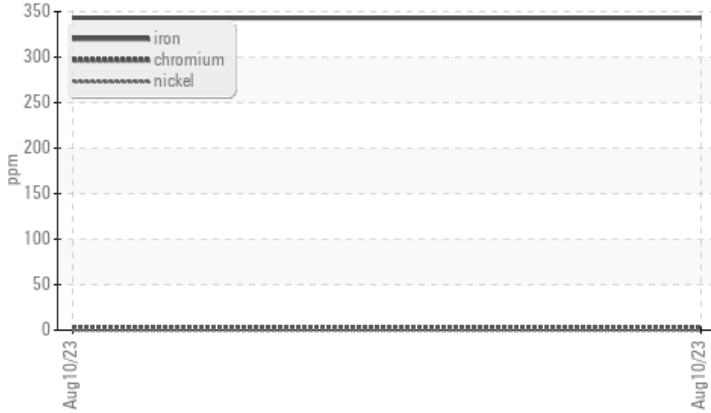
Area
[98331669]
 Machine Id
KR-GR-001010 TRAVEL - DEMOLD MANIPLUX CRANE
 Component
Gearbox
 Fluid
GEAR OIL ISO 460 (--- GAL)

Sample Rating Trend



COMPONENT CONDITION SUMMARY

▲ Ferrous Alloys



RECOMMENDATION

We recommend you service the filters on this component if applicable. We recommend an early resample to monitor this condition. 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	---	---
Iron	ppm	ASTM D5185m	>200	▲ 343	---	---
Debris	scalar	*Visual	NONE	▲ MODER	---	---

Customer Id: KRAKIR
 Sample No.: PCA0102557
 Lab Number: 05924827
 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.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Alert	---	---	?	We were unable to perform a particle count due to a high concentration of particles present in this sample.

HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Area
[98331669]
 Machine Id
KR-GR-001010 TRAVEL - DEMOLD MANIPLUX CRANE
 Component
Gearbox
 Fluid
GEAR OIL ISO 460 (--- GAL)



DIAGNOSIS

- Recommendation**
 We recommend you service the filters on this component if applicable. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample.
- Wear**
 Gear wear is indicated.
- Contamination**
 Moderate concentration of visible dirt/debris present in the oil.
- 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	PCA0102557	---	---
Sample Date	Client Info	10 Aug 2023	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>200	▲ 343	---	---
Chromium ppm ASTM D5185m	>15	2	---	---
Nickel ppm ASTM D5185m	>15	<1	---	---
Titanium ppm ASTM D5185m		1	---	---
Silver ppm ASTM D5185m		0	---	---
Aluminum ppm ASTM D5185m	>25	3	---	---
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	0	---	---
Molybdenum ppm ASTM D5185m	15	<1	---	---
Manganese ppm ASTM D5185m		4	---	---
Magnesium ppm ASTM D5185m	50	9	---	---
Calcium ppm ASTM D5185m	50	7	---	---
Phosphorus ppm ASTM D5185m	350	263	---	---
Zinc ppm ASTM D5185m	100	90	---	---
Sulfur ppm ASTM D5185m	12500	222	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>50	16	---	---
Sodium ppm ASTM D5185m		0	---	---
Potassium ppm ASTM D5185m	>20	43	---	---

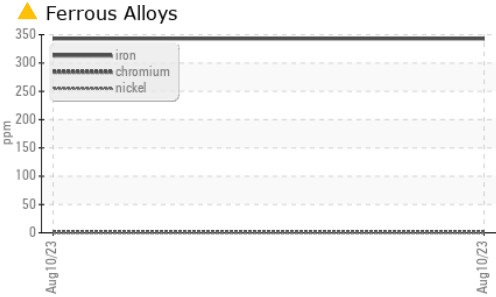
FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045	0.85	1.07	---	---

VISUAL

method	limit/base	current	history1	history2
White Metal scalar *Visual	NONE	LIGHT	---	---
Yellow Metal scalar *Visual	NONE	NONE	---	---
Precipitate scalar *Visual	NONE	NONE	---	---
Silt scalar *Visual	NONE	NONE	---	---
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	NEG	---	---
Free Water scalar *Visual		NEG	---	---

OIL ANALYSIS REPORT

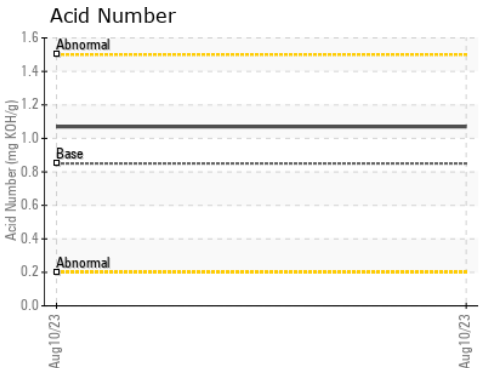
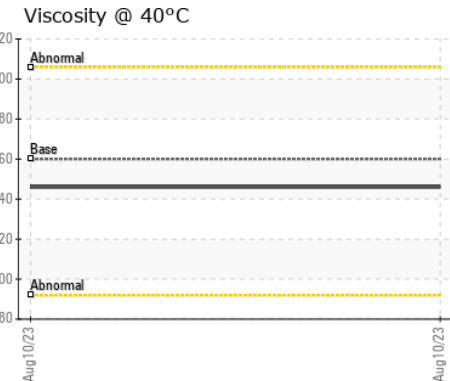
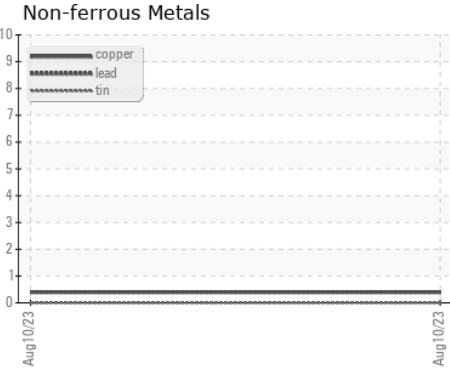
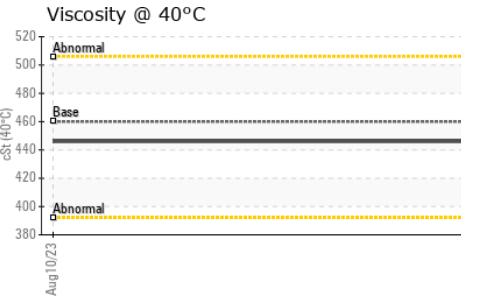
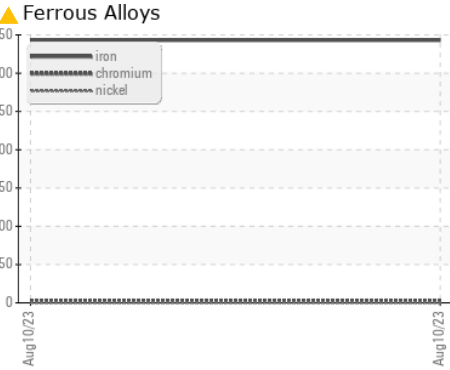
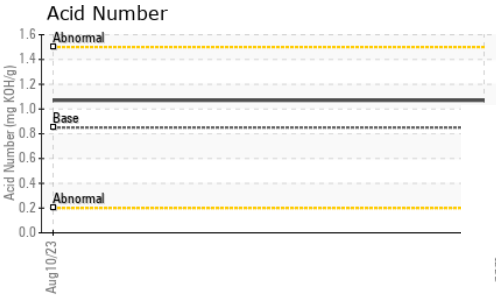


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	460	446	---	---

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. : PCA0102557 **Received** : 15 Aug 2023
Lab Number : 05924827 **Diagnosed** : 16 Aug 2023
Unique Number : 10604774 **Diagnostician** : Jonathan Hester
Test Package : IND 2 (Additional Tests: PrtCount)

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)