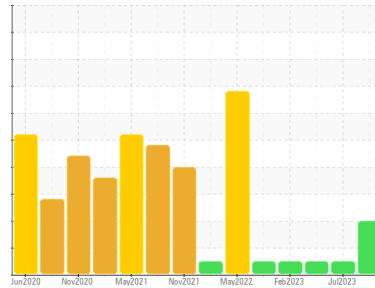


PROBLEM SUMMARY

Sample Rating Trend



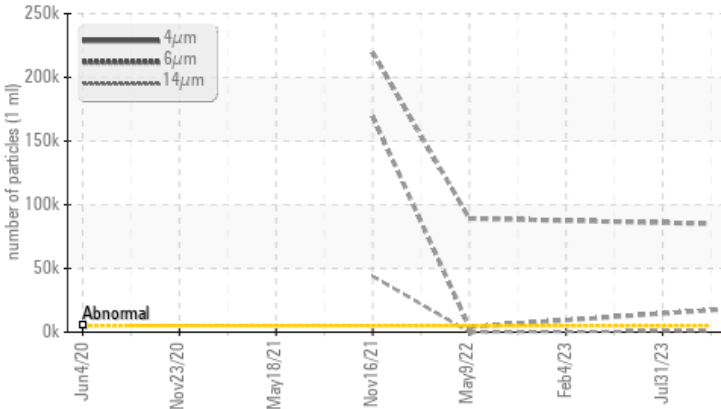
ISO



Area
[98558457]
 Machine Id
KR-GR-000829 - DUOSTOCK CRANE (S/N ARMOR-INOX)
 Component
Hoist
 Fluid
PETRO CANADA PURITY FG SYNTH EP GEAR FLUID 460 (8 LTR)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	NORMAL	NORMAL
Particles >4µm	ASTM D7647	>5000	▲ 85032	---	---
Particles >6µm	ASTM D7647	>1300	▲ 17335	---	---
Particles >14µm	ASTM D7647	>320	▲ 907	---	---
Particles >21µm	ASTM D7647	>80	▲ 173	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/15	▲ 24/21/17	---	---

Customer Id: KRAKIR
 Sample No.: PCA0108233
 Lab Number: 06000478
 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 if applicable.

HISTORICAL DIAGNOSIS

31 Jul 2023 Diag: Jonathan Hester

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

view report



05 May 2023 Diag: Don Baldrige

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



04 Feb 2023 Diag: Doug Bogart

NORMAL



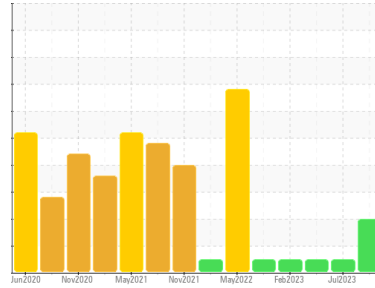
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

view report



OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area
[98558457]
 Machine Id
KR-GR-000829 - DUOSTOCK CRANE (S/N ARMOR-INOX)
 Component
Hoist
 Fluid
PETRO CANADA PURITY FG SYNTH EP GEAR FLUID 460 (8 LTR)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. 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.

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	PCA0108233	PCA0102543	PCA0093108
Sample Date	Client Info	01 Nov 2023	31 Jul 2023	05 May 2023
Machine Age	hrs	0	0	0
Oil Age	hrs	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		ABNORMAL	NORMAL	NORMAL

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >20	15	<1	7
Chromium	ppm	ASTM D5185m >20	0	1	<1
Nickel	ppm	ASTM D5185m >20	1	1	<1
Titanium	ppm	ASTM D5185m	0	1	0
Silver	ppm	ASTM D5185m	0	3	0
Aluminum	ppm	ASTM D5185m >20	<1	0	0
Lead	ppm	ASTM D5185m >20	<1	8	0
Copper	ppm	ASTM D5185m >20	<1	2	0
Tin	ppm	ASTM D5185m >20	0	2	<1
Vanadium	ppm	ASTM D5185m	0	2	0
Cadmium	ppm	ASTM D5185m	0	<1	0

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m 0	0	1	1
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	59	1	46
Manganese	ppm	ASTM D5185m	<1	<1	<1
Magnesium	ppm	ASTM D5185m 0	<1	20	0
Calcium	ppm	ASTM D5185m 0	15	0	13
Phosphorus	ppm	ASTM D5185m 600	472	164	575
Zinc	ppm	ASTM D5185m 0	0	0	0
Sulfur	ppm	ASTM D5185m 500	4653	2444	3715

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >15	3	3	4
Sodium	ppm	ASTM D5185m	1	44	0
Potassium	ppm	ASTM D5185m >20	2	100	<1

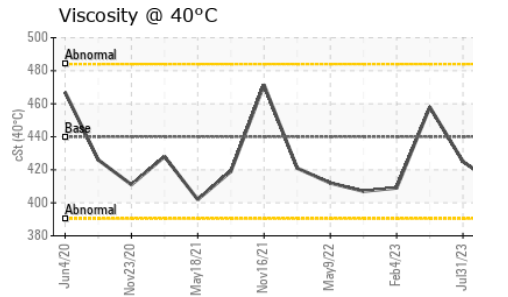
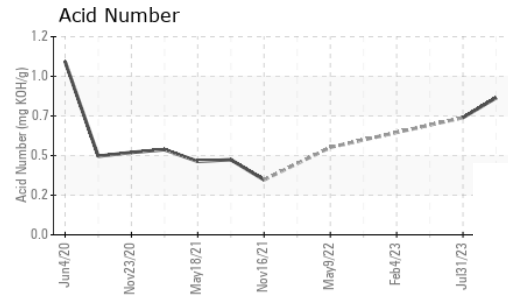
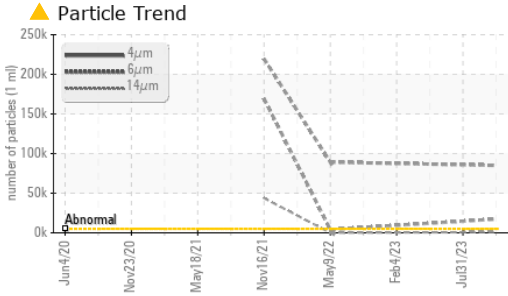
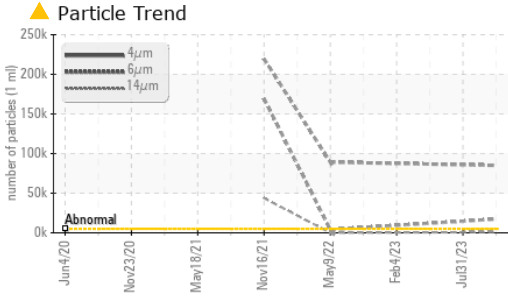
FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >5000	▲ 85032	---	---
Particles >6µm	ASTM D7647 >1300	▲ 17335	---	---
Particles >14µm	ASTM D7647 >320	▲ 907	---	---
Particles >21µm	ASTM D7647 >80	▲ 173	---	---
Particles >38µm	ASTM D7647 >20	3	---	---
Particles >71µm	ASTM D7647 >4	0	---	---
Oil Cleanliness	ISO 4406 (c) >19/17/15	▲ 24/21/17	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	0.83	0.71	---

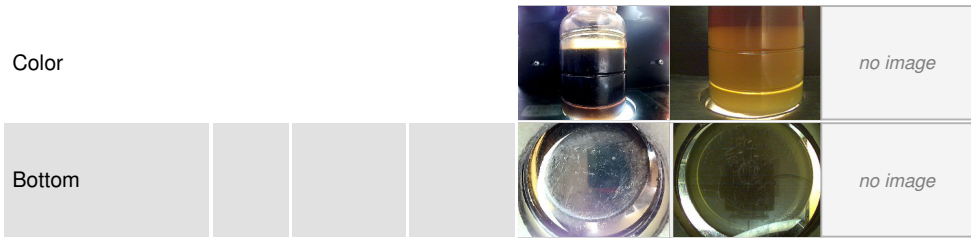
OIL ANALYSIS REPORT



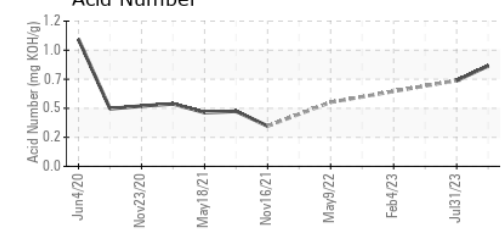
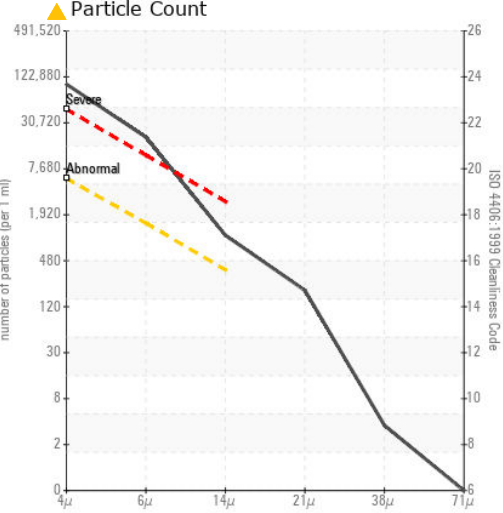
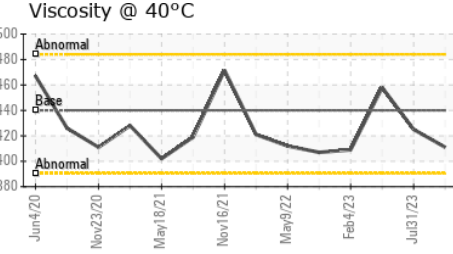
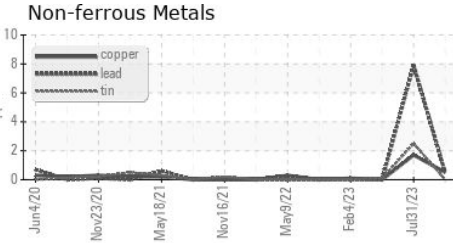
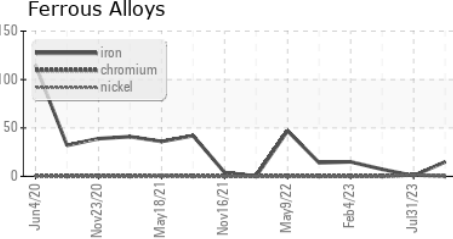
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 440	411	425	458

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0108233
Lab Number : 06000478
Unique Number : 10728838
Test Package : IND 2

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)