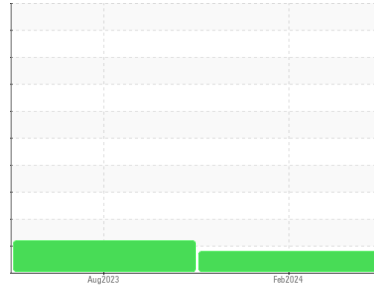


OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area
PHASE 2 PH 2
Machine Id
HT 29
Component
Agitator Gearbox
Fluid
PETRO CANADA PURITY FG SYNTH EP GEAR 220 (--- LTR)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 6 microns in size) 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	PCA0111028	USP244670	---
Sample Date	Client Info	12 Feb 2024	01 Aug 2023	---
Machine Age	hrs	0	0	---
Oil Age	hrs	0	0	---
Oil Changed	Client Info	Not Chngd	N/A	---
Sample Status		ABNORMAL	ABNORMAL	---

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.1	NEG	NEG	---

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >150	108	127	---
Chromium	ppm ASTM D5185m >10	<1	<1	---
Nickel	ppm ASTM D5185m >10	0	<1	---
Titanium	ppm ASTM D5185m	0	0	---
Silver	ppm ASTM D5185m	0	0	---
Aluminum	ppm ASTM D5185m >25	<1	1	---
Lead	ppm ASTM D5185m >100	0	0	---
Copper	ppm ASTM D5185m >50	20	16	---
Tin	ppm ASTM D5185m >10	2	<1	---
Vanadium	ppm ASTM D5185m	0	0	---
Cadmium	ppm ASTM D5185m	0	0	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	89	117	---
Barium	ppm ASTM D5185m	0	0	---
Molybdenum	ppm ASTM D5185m	16	19	---
Manganese	ppm ASTM D5185m	1	1	---
Magnesium	ppm ASTM D5185m	1	7	---
Calcium	ppm ASTM D5185m	303	386	---
Phosphorus	ppm ASTM D5185m	689	796	---
Zinc	ppm ASTM D5185m	135	174	---
Sulfur	ppm ASTM D5185m	13918	20344	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >50	8	7	---
Sodium	ppm ASTM D5185m	7	10	---
Potassium	ppm ASTM D5185m >20	28	36	---

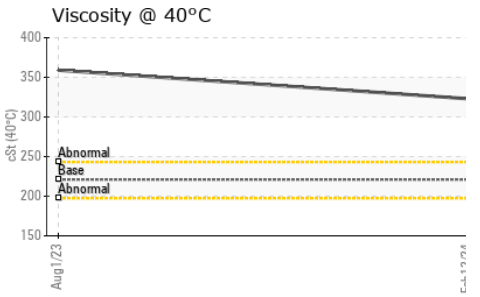
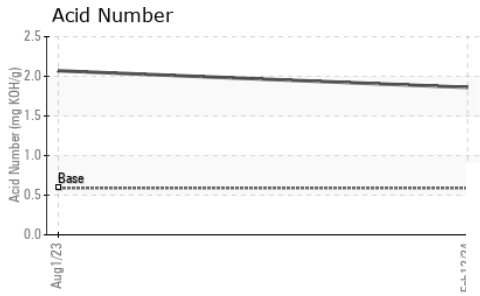
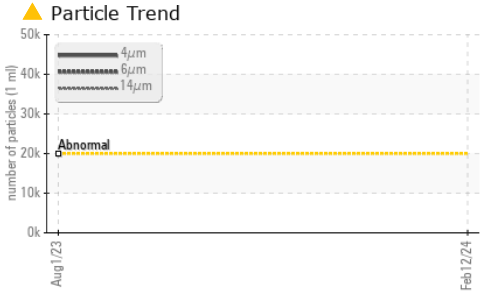
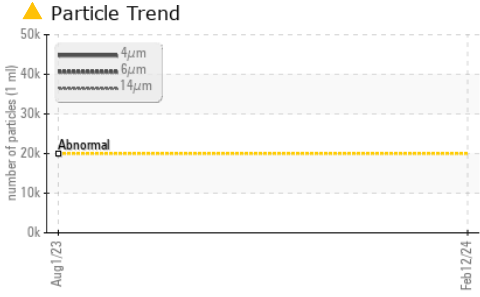
FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >20000	▲ 44112	---	---
Particles >6µm	ASTM D7647 >5000	4794	---	---
Particles >14µm	ASTM D7647 >640	321	---	---
Particles >21µm	ASTM D7647 >160	76	---	---
Particles >38µm	ASTM D7647 >40	2	---	---
Particles >71µm	ASTM D7647 >10	0	---	---
Oil Cleanliness	ISO 4406 (c) >21/19/16	▲ 23/19/16	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045 0.59	1.86	2.07	---

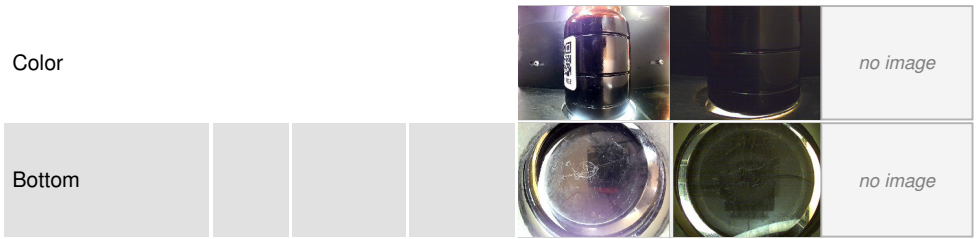
OIL ANALYSIS REPORT



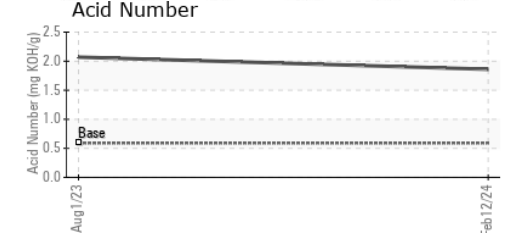
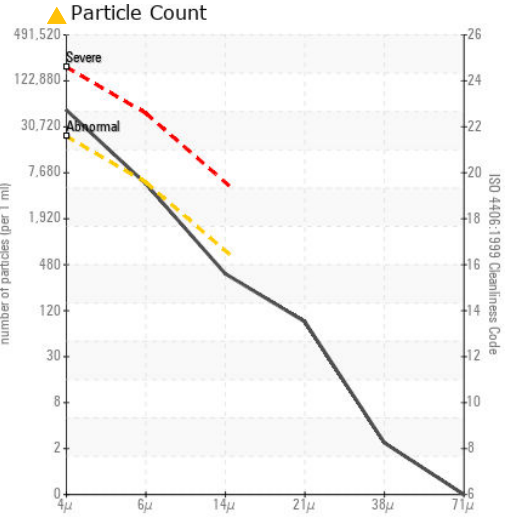
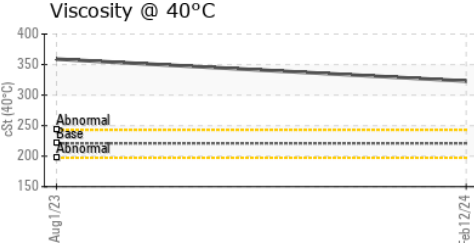
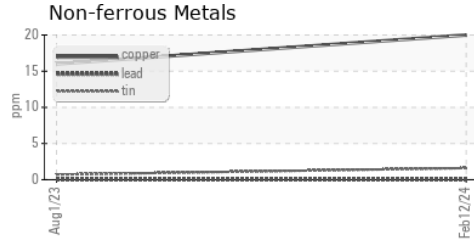
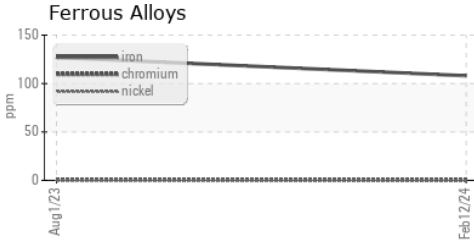
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	▲ MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 221	323	359	---

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. : PCA0111028 **Received** : 15 Feb 2024
Lab Number : 06090133 **Tested** : 19 Feb 2024
Unique Number : 10882986 **Diagnosed** : 19 Feb 2024 - Jonathan Hester
Test Package : IND 2 (Additional Tests: PrtCount)

KraftHeinz - Mason City - Plant 8360
 1022 12TH ST
 MASON CITY, IA
 US 50401
 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: (641)421-2936