



PROBLEM SUMMARY

Sample Rating Trend



ISO



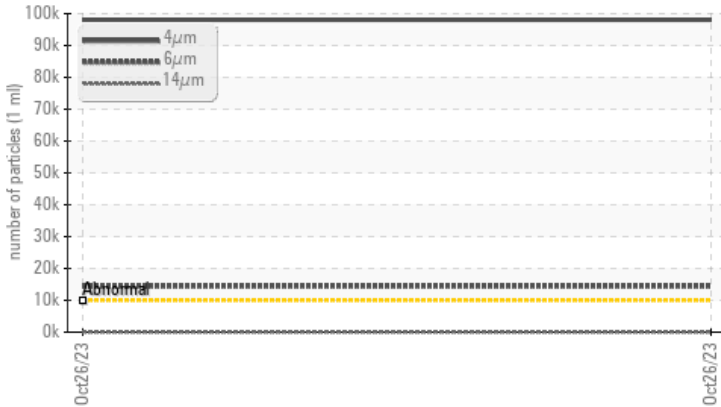
Machine Id
HOMOGENIZER 8A

Component
Gearbox

Fluid
PETRO CANADA PURITY FG SYNTH EP GEAR 220 (--- LTR)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	---	---
Particles >4µm	ASTM D7647	>10000	▲ 98066	---	---
Particles >6µm	ASTM D7647	>2500	▲ 14427	---	---
Oil Cleanliness	ISO 4406 (c)	>20/18/16	▲ 24/21/13	---	---

Customer Id: KRAMASIOW
 Sample No.: USP0002929
 Lab Number: 05994415
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Doug Bogart +1 (800)237-1369 x4016
dougb@wearcheckusa.com

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
HOMOGENIZER 8A

Component
Gearbox

Fluid
PETRO CANADA PURITY FG SYNTH EP GEAR 220 (--- LTR)

DIAGNOSIS

▲ Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

▲ Contamination

There is a high amount of silt (particulates < 14 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	USP0002929	---	---
Sample Date	Client Info	26 Oct 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	2	---	---
Chromium ppm ASTM D5185m	>15	<1	---	---
Nickel ppm ASTM D5185m	>15	0	---	---
Titanium ppm ASTM D5185m		0	---	---
Silver ppm ASTM D5185m		0	---	---
Aluminum ppm ASTM D5185m	>25	<1	---	---
Lead ppm ASTM D5185m	>100	10	---	---
Copper ppm ASTM D5185m	>200	10	---	---
Tin ppm ASTM D5185m	>25	2	---	---
Vanadium ppm ASTM D5185m		0	---	---
Cadmium ppm ASTM D5185m		0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m		5	---	---
Barium ppm ASTM D5185m		20	---	---
Molybdenum ppm ASTM D5185m		1	---	---
Manganese ppm ASTM D5185m		<1	---	---
Magnesium ppm ASTM D5185m		0	---	---
Calcium ppm ASTM D5185m		<1	---	---
Phosphorus ppm ASTM D5185m		398	---	---
Zinc ppm ASTM D5185m		25	---	---
Sulfur ppm ASTM D5185m		3289	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>50	2	---	---
Sodium ppm ASTM D5185m		5	---	---
Potassium ppm ASTM D5185m	>20	0	---	---
Water % ASTM D6304	>0.2	0.005	---	---
ppm Water ppm ASTM D6304	>2000	58.8	---	---

FLUID CLEANLINESS

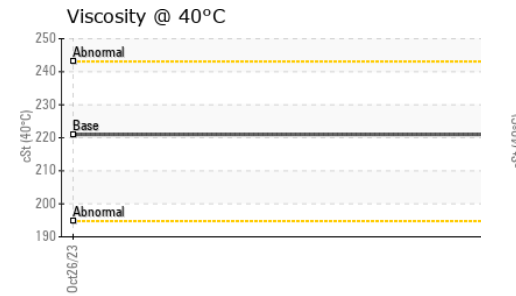
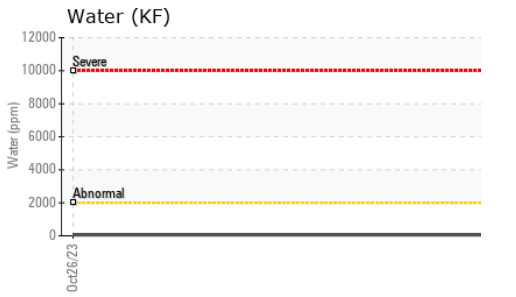
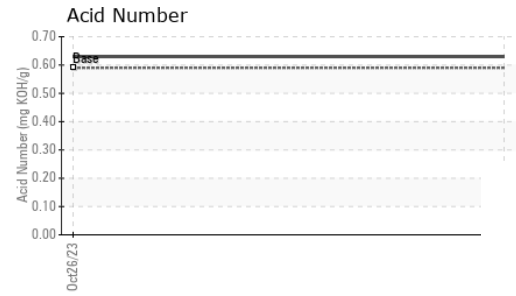
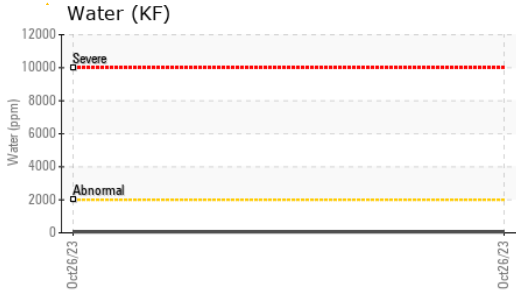
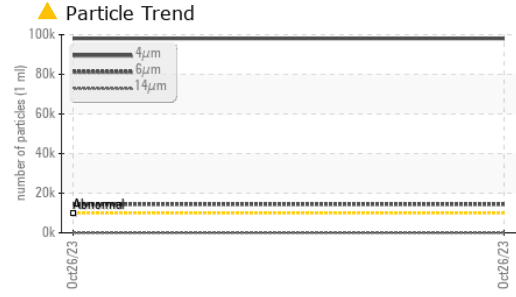
method	limit/base	current	history1	history2
Particles >4µm ASTM D7647	>10000	▲ 98066	---	---
Particles >6µm ASTM D7647	>2500	▲ 14427	---	---
Particles >14µm ASTM D7647	>640	48	---	---
Particles >21µm ASTM D7647	>160	5	---	---
Particles >38µm ASTM D7647	>40	0	---	---
Particles >71µm ASTM D7647	>10	0	---	---
Oil Cleanliness ISO 4406 (c)	>20/18/16	▲ 24/21/13	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045	0.59	0.63	---	---



OIL ANALYSIS REPORT



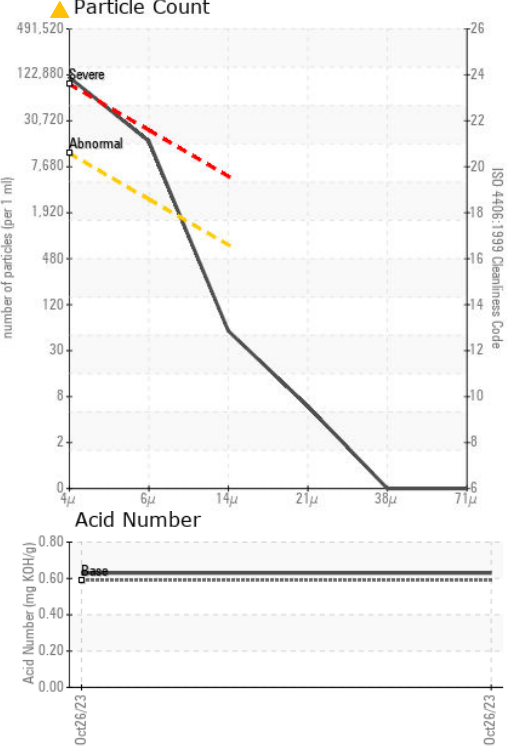
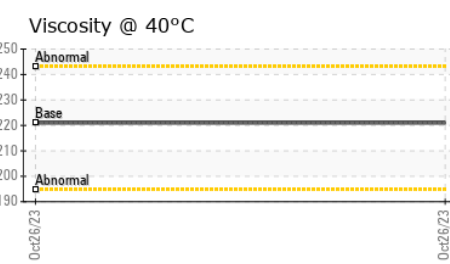
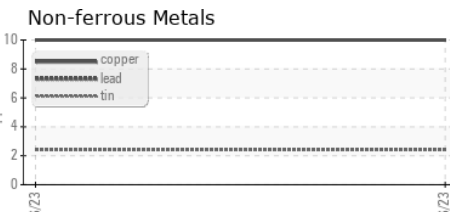
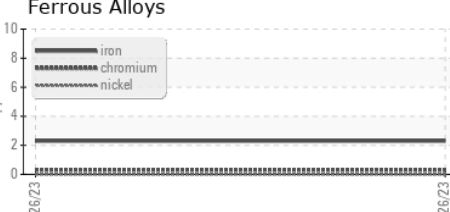
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE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

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

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------

Color		no image	no image
Bottom		no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : USP0002929 **Received** : 31 Oct 2023
Lab Number : 05994415 **Diagnosed** : 01 Nov 2023
Unique Number : 10722775 **Diagnostician** : Doug Bogart
Test Package : IND 2

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)