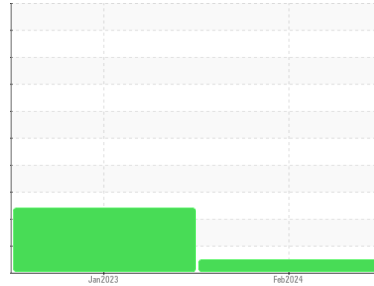




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**CPM P4 Mill**

Component  
**Gear Case**

Fluid  
**PETRO CANADA ENDURATEX SYNTHETIC EP 220 (38 GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. ( Customer Sample Comment: Filtered thru a descase filtration system )

### Wear

All component wear rates are normal.

### Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination 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		<b>WC0856065</b>	WC0765502	---
Sample Date	Client Info		<b>21 Feb 2024</b>	23 Jan 2023	---
Machine Age	mths	Client Info	<b>96</b>	7	---
Oil Age	mths	Client Info	<b>4</b>	0	---
Oil Changed	Client Info		<b>Filtered</b>	Not Changd	---
Sample Status			<b>NORMAL</b>	ABNORMAL	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	<b>NEG</b>	NEG	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	<b>2</b>	7	---
Chromium	ppm	ASTM D5185m >5	<b>0</b>	0	---
Nickel	ppm	ASTM D5185m >5	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m	<b>0</b>	0	---
Silver	ppm	ASTM D5185m	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >5	<b>0</b>	0	---
Lead	ppm	ASTM D5185m >5	<b>0</b>	<1	---
Copper	ppm	ASTM D5185m >15	<b>9</b>	4	---
Tin	ppm	ASTM D5185m >5	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 33	<b>11</b>	<1	---
Barium	ppm	ASTM D5185m 5	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	<b>0</b>	<1	---
Manganese	ppm	ASTM D5185m	<b>0</b>	0	---
Magnesium	ppm	ASTM D5185m 5	<b>0</b>	3	---
Calcium	ppm	ASTM D5185m 5	<b>0</b>	34	---
Phosphorus	ppm	ASTM D5185m 437	<b>405</b>	272	---
Zinc	ppm	ASTM D5185m 5	<b>12</b>	8	---
Sulfur	ppm	ASTM D5185m 5000	<b>5417</b>	13374	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	<b>0</b>	1	---
Sodium	ppm	ASTM D5185m	<b>2</b>	0	---
Potassium	ppm	ASTM D5185m >20	<b>0</b>	1	---

## FLUID CLEANLINESS

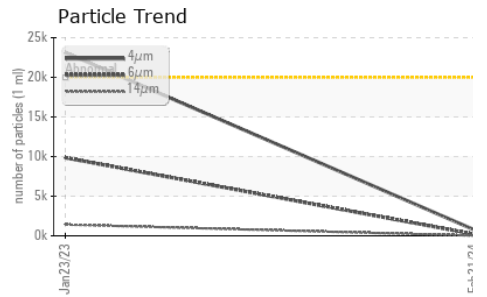
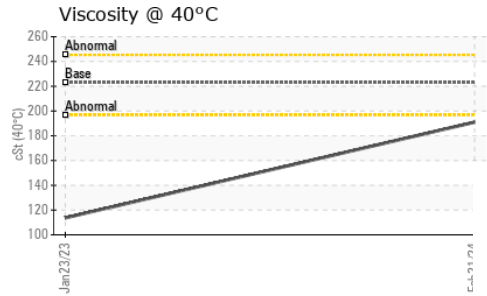
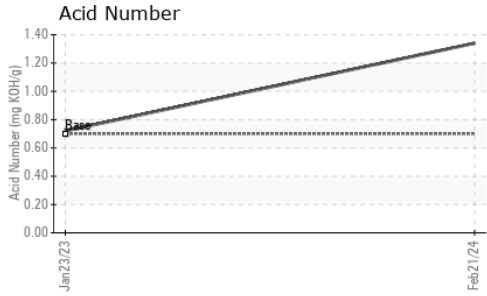
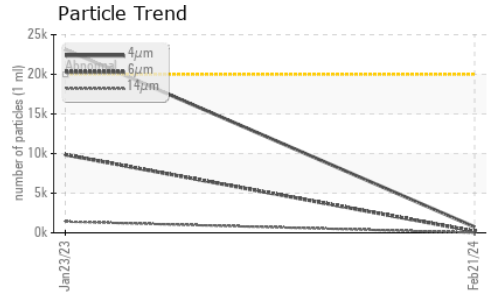
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>20000	<b>739</b>	▲ 23136	---
Particles >6µm	ASTM D7647	>5000	<b>193</b>	▲ 9860	---
Particles >14µm	ASTM D7647	>640	<b>19</b>	▲ 1413	---
Particles >21µm	ASTM D7647	>160	<b>4</b>	▲ 182	---
Particles >38µm	ASTM D7647	>40	<b>0</b>	10	---
Particles >71µm	ASTM D7647	>10	<b>0</b>	1	---
Oil Cleanliness	ISO 4406 (c)	>21/19/16	<b>17/15/11</b>	▲ 22/20/18	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.7	<b>1.34</b>	0.72	---



# OIL ANALYSIS REPORT



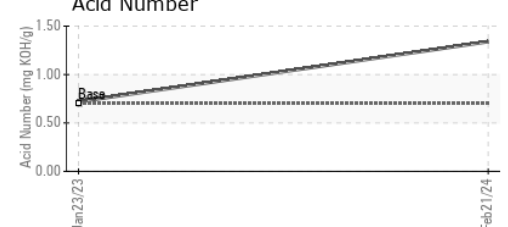
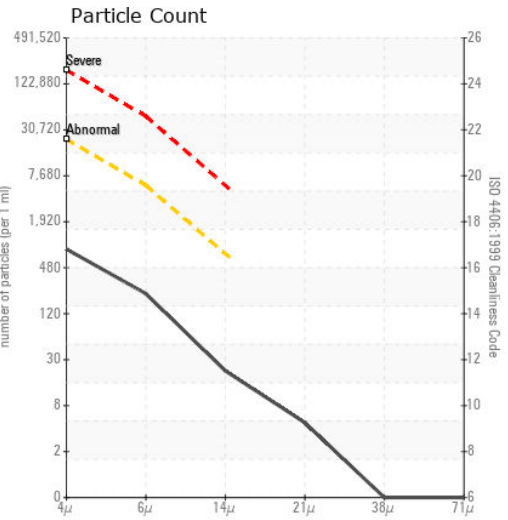
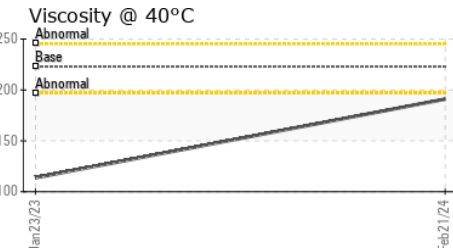
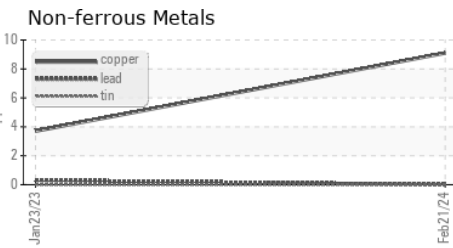
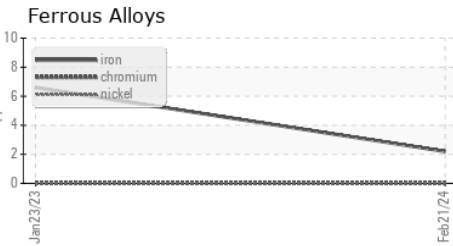
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>NONE</b>	VLITE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	LIGHT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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 223	<b>191</b>	▲ 113.7	---

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



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0856065 **Received** : 26 Feb 2024  
**Lab Number** : **06100111** **Tested** : 27 Feb 2024  
**Unique Number** : 10898341 **Diagnosed** : 27 Feb 2024 - Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: PrtCount )

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)

**EAGLE GROVE COOP**  
 NW 8TH ST AND MONOE AVE  
 EAGLE GROVE, IA  
 US 50533  
 Contact: TONY SCOTT  
 tscott@goldeaglecoop.com

T:  
F: