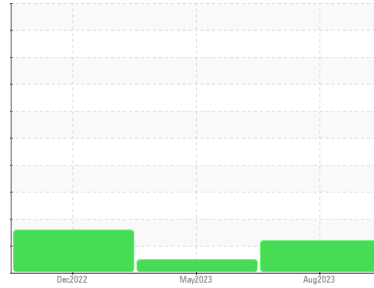




# PROBLEM SUMMARY

## Sample Rating Trend



ISO



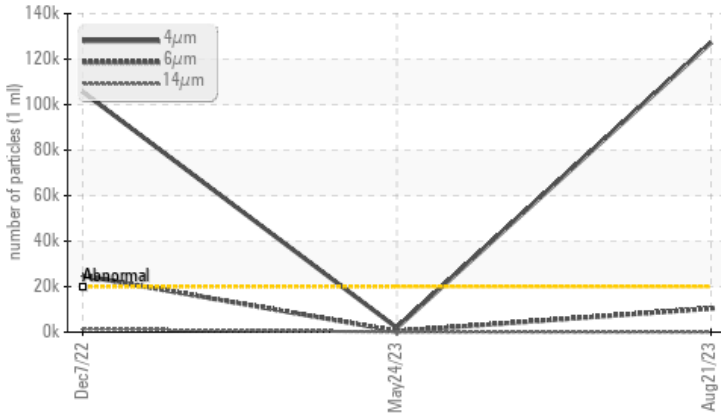
Machine Id  
**CPM P2 Mill**

Component  
**Gear Case**

Fluid  
**PETRO CANADA ENDURATEX SYNTHETIC EP 220 (26 GAL)**

## COMPONENT CONDITION SUMMARY

### ▲ Particle Trend



## RECOMMENDATION

The oil filtered at the time of sampling has been noted. Resample at the next service interval to monitor. ( Customer Sample Comment: Filter has change indicators that chiw no indication to change )

## PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	NORMAL	ABNORMAL
Particles >4µm	ASTM D7647	>20000	▲ 127295	1916	▲ 105667
Particles >6µm	ASTM D7647	>5000	▲ 10392	473	▲ 24793
Oil Cleanliness	ISO 4406 (c)	>21/19/16	▲ 24/21/13	18/16/13	▲ 24/22/18

Customer Id: GOLEAG  
Sample No.: WC0765508  
Lab Number: 05935572  
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](mailto:don.b505@comcast.net)

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

## RECOMMENDED ACTIONS

*There are no recommended actions for this sample.*

## HISTORICAL DIAGNOSIS

### 24 May 2023 Diag: Don Baldrige

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. 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



### 07 Dec 2022 Diag: Angela Borella

ISO



We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

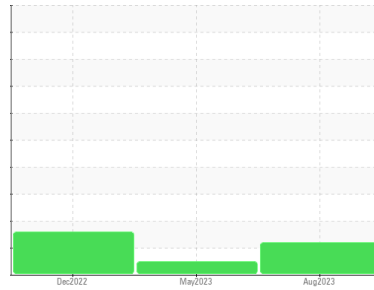
view report





# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id  
**CPM P2 Mill**

Component  
**Gear Case**

Fluid  
**PETRO CANADA ENDURATEX SYNTHETIC EP 220 (26 GAL)**

## DIAGNOSIS

### Recommendation

The oil filtered at the time of sampling has been noted. Resample at the next service interval to monitor. ( Customer Sample Comment: Filter has change indicators that chiw no indication to change )

### 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		<b>WC0765508</b>	WC0765509	WC0765511
Sample Date	Client Info		<b>21 Aug 2023</b>	24 May 2023	07 Dec 2022
Machine Age	mths	Client Info	<b>6</b>	3	0
Oil Age	mths	Client Info	<b>6</b>	3	450
Oil Changed	Client Info		<b>Filtered</b>	Filtered	Not Changd
Sample Status			<b>ABNORMAL</b>	NORMAL	ABNORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		<b>16</b>	---	---
Iron	ppm	ASTM D5185m >200	<b>20</b>	5	10
Chromium	ppm	ASTM D5185m >5	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m >5	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m	<b>0</b>	<1	0
Silver	ppm	ASTM D5185m	<b>&lt;1</b>	<1	0
Aluminum	ppm	ASTM D5185m >5	<b>0</b>	<1	0
Lead	ppm	ASTM D5185m >5	<b>&lt;1</b>	<1	0
Copper	ppm	ASTM D5185m >15	<b>&lt;1</b>	0	<1
Tin	ppm	ASTM D5185m >5	<b>&lt;1</b>	<1	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 33	<b>14</b>	32	38
Barium	ppm	ASTM D5185m 5	<b>1</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	0
Magnesium	ppm	ASTM D5185m 5	<b>4</b>	12	2
Calcium	ppm	ASTM D5185m 5	<b>25</b>	2	12
Phosphorus	ppm	ASTM D5185m 437	<b>458</b>	440	253
Zinc	ppm	ASTM D5185m 5	<b>16</b>	12	8
Sulfur	ppm	ASTM D5185m 5000	<b>6930</b>	6824	7059

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	<b>11</b>	6	6
Sodium	ppm	ASTM D5185m	<b>1</b>	2	0
Potassium	ppm	ASTM D5185m >20	<b>2</b>	2	1
Water	%	ASTM D6304 >0.2	<b>0.012</b>	---	---
ppm Water	ppm	ASTM D6304 >2000	<b>120.1</b>	---	---

## FLUID CLEANLINESS

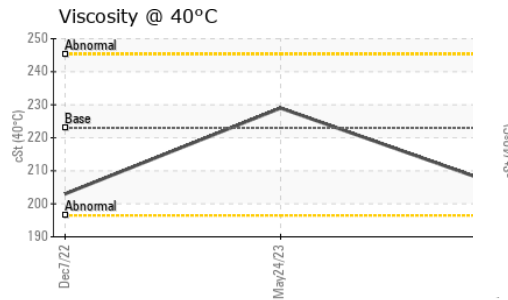
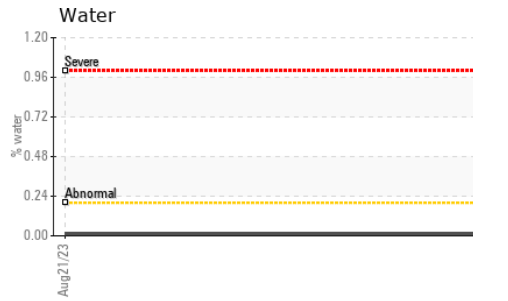
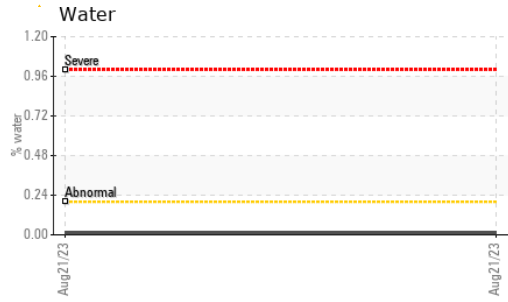
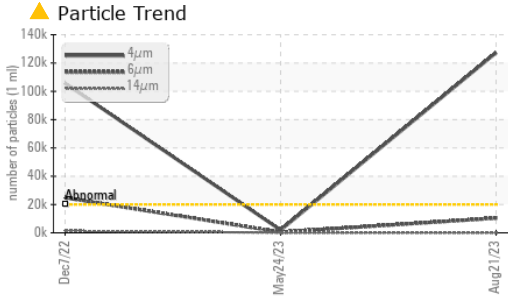
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>20000	<b>▲ 127295</b>	1916	<b>▲ 105667</b>
Particles >6µm	ASTM D7647	>5000	<b>▲ 10392</b>	473	<b>▲ 24793</b>
Particles >14µm	ASTM D7647	>640	<b>45</b>	80	<b>▲ 1349</b>
Particles >21µm	ASTM D7647	>160	<b>7</b>	20	198
Particles >38µm	ASTM D7647	>40	<b>0</b>	1	7
Particles >71µm	ASTM D7647	>10	<b>0</b>	0	0
Oil Cleanliness	ISO 4406 (c)	>21/19/16	<b>▲ 24/21/13</b>	18/16/13	<b>▲ 24/22/18</b>

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.7	<b>1.04</b>	0.81	0.89



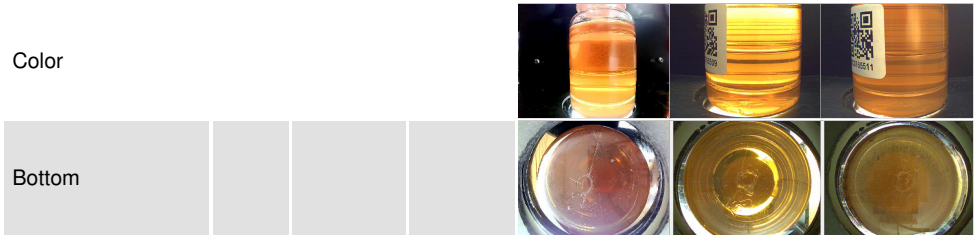
# OIL ANALYSIS REPORT



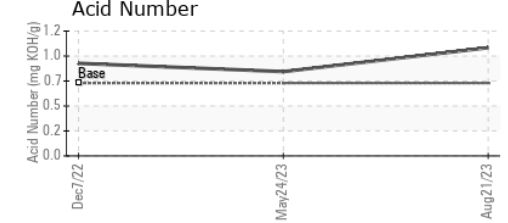
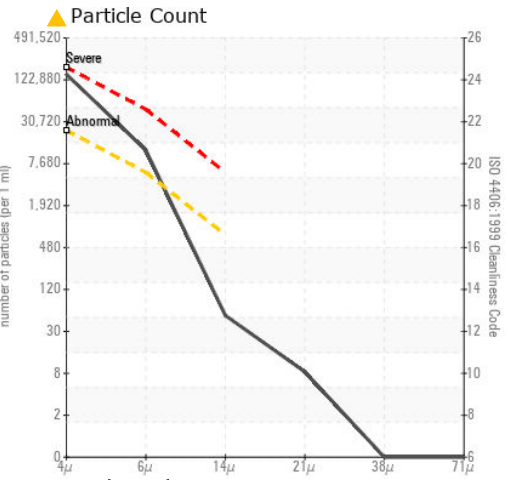
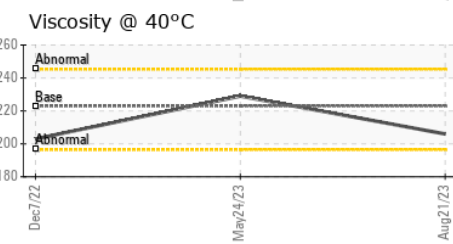
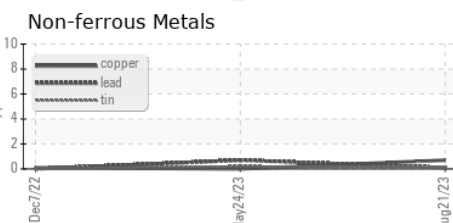
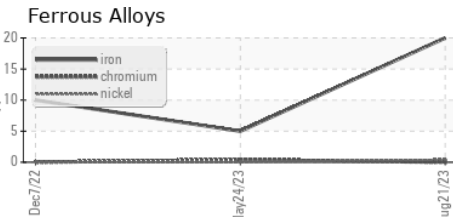
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 223	206	229	203

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0765508 **Received** : 25 Aug 2023  
**Lab Number** : 05935572 **Diagnosed** : 01 Sep 2023  
**Unique Number** : 10620843 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: KF, PQ, PrtCount )

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

Certificate L2367  
 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)