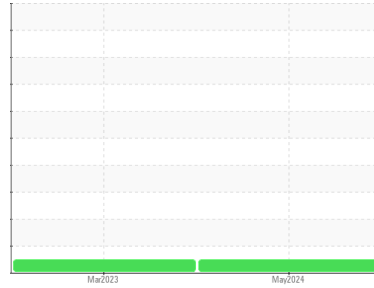


# OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id  
**CR262**  
Component  
**Left Final Drive**  
Fluid  
**PETRO CANADA ENDURATEX EP 220 (--- GAL)**

## DIAGNOSIS

**Recommendation**  
Resample at the next service interval to monitor.  
NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

**Wear**  
All component wear rates are normal.

**Contamination**  
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>PC0087853</b>	PC0072899	---
Sample Date	Client Info		<b>18 May 2024</b>	09 Mar 2023	---
Machine Age	hrs	Client Info	<b>2948</b>	1175	---
Oil Age	hrs	Client Info	<b>0</b>	1000	---
Oil Changed	Client Info		<b>Changed</b>	Changed	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		<b>0</b>	---	---
Iron	ppm	ASTM D5185(m) >500	<b>9</b>	9	---
Chromium	ppm	ASTM D5185(m) >10	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m) >10	<b>0</b>	0	---
Titanium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185(m)	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m) >25	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185(m) >25	<b>0</b>	0	---
Copper	ppm	ASTM D5185(m) >50	<b>2</b>	1	---
Tin	ppm	ASTM D5185(m) >10	<b>0</b>	<1	---
Antimony	ppm	ASTM D5185(m) >5	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 60	<b>58</b>	83	---
Barium	ppm	ASTM D5185(m) 0	<b>3</b>	4	---
Molybdenum	ppm	ASTM D5185(m) 0	<b>0</b>	<1	---
Manganese	ppm	ASTM D5185(m) 0	<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185(m) 0	<b>11</b>	9	---
Calcium	ppm	ASTM D5185(m) 0	<b>12</b>	12	---
Phosphorus	ppm	ASTM D5185(m) 270	<b>559</b>	715	---
Zinc	ppm	ASTM D5185(m) 0	<b>16</b>	14	---
Sulfur	ppm	ASTM D5185(m) 11200	<b>7293</b>	9410	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---

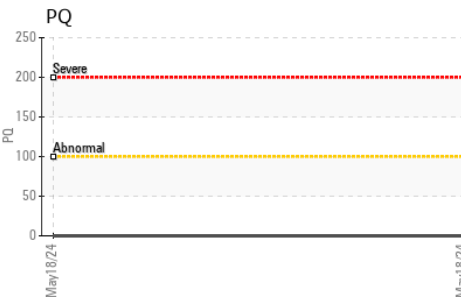
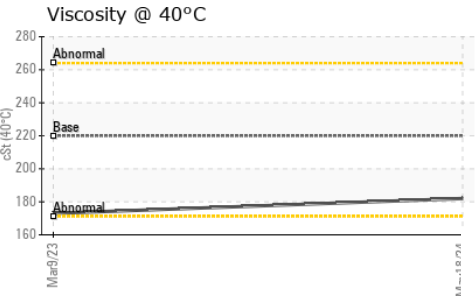
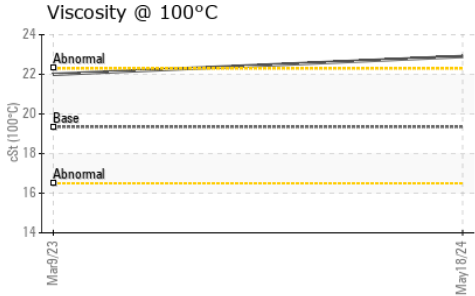
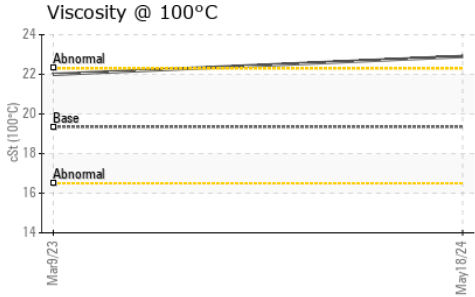
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >75	<b>0</b>	<1	---
Sodium	ppm	ASTM D5185(m)	<b>3</b>	4	---
Potassium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	1	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974* 0.40	<b>0.93</b>	---	---

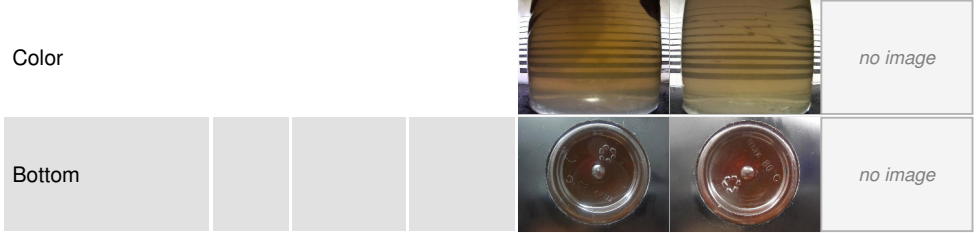
# OIL ANALYSIS REPORT



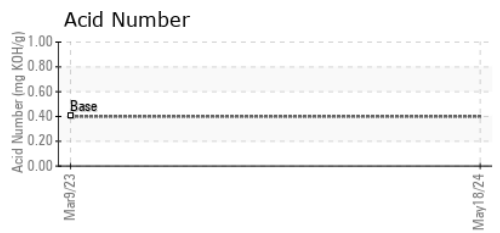
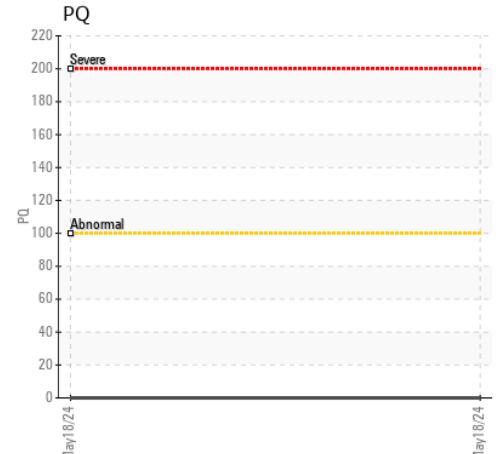
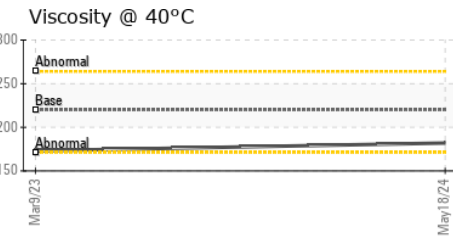
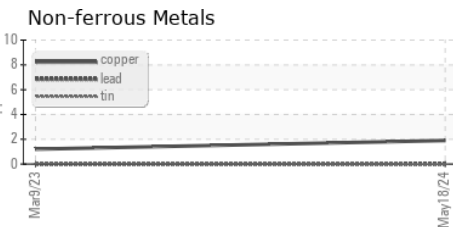
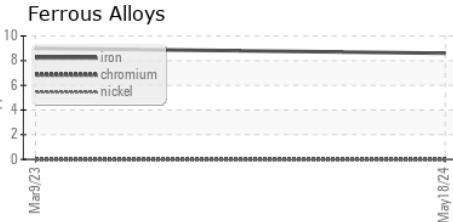
PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	VLITE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	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 D7279(m)	220	182	173
Visc @ 100°C	cSt	ASTM D7279(m)	19.35	22.9	22.0
Viscosity Index (VI)	Scale	ASTM D2270*	99	152	152

## SAMPLE IMAGES



## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Green Infrastructure and Partners Inc (GPI) - 286 - Shoring & Foundations  
**Sample No.** : PC0087853 **Received** : 28 May 2024 151 Ram Forest Rd,  
**Lab Number** : 02638240 **Tested** : 29 May 2024 Stouffville, ON  
**Unique Number** : 5787402 **Diagnosed** : 29 May 2024 - Kevin Marson CA L4A 2G8  
**Test Package** : IND 2 ( Additional Tests: KV100, TAN Man, VI ) Contact: Shannon Abbott  
 sabbott@gipi.com

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.