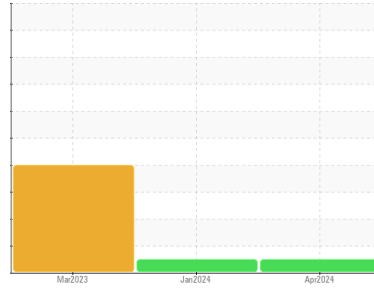




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

[156361]

Machine Id

**FPEC BLENDER 1-2**

Component

**Gearbox**

Fluid

**PETRO CANADA 220 (4 LTR)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

### Wear

All component wear rates are normal.

### Contamination

The water content is negligible. 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>WC0929897</b>	WC0869276	WC0789497
Sample Date	Client Info		<b>10 Apr 2024</b>	04 Jan 2024	11 Mar 2023
Machine Age	hrs	Client Info	<b>0</b>	0	0
Oil Age	hrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>NORMAL</b>	NORMAL	SEVERE

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		<b>20</b>	0	0
Iron	ppm	ASTM D5185(m) >200	<b>45</b>	15	67
Chromium	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185(m) >10	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185(m)	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m) >25	<b>2</b>	<1	<1
Lead	ppm	ASTM D5185(m) >50	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185(m) >200	<b>3</b>	<1	1
Tin	ppm	ASTM D5185(m) >10	<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m) >5	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<b>8</b>	17	18
Barium	ppm	ASTM D5185(m)	<b>&lt;1</b>	2	<1
Molybdenum	ppm	ASTM D5185(m)	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185(m)	<b>4</b>	2	2
Calcium	ppm	ASTM D5185(m)	<b>11</b>	8	7
Phosphorus	ppm	ASTM D5185(m)	<b>138</b>	322	334
Zinc	ppm	ASTM D5185(m)	<b>15</b>	13	25
Sulfur	ppm	ASTM D5185(m)	<b>6679</b>	12884	14480
Lithium	ppm	ASTM D5185(m)	<b>1</b>	1	3

## CONTAMINANTS

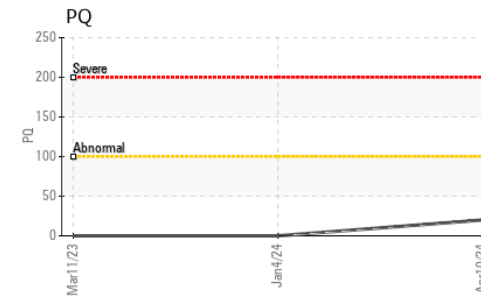
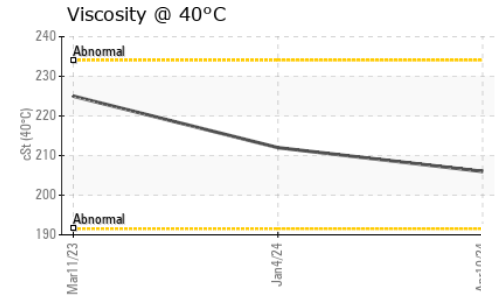
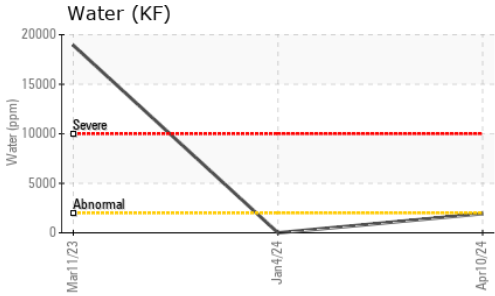
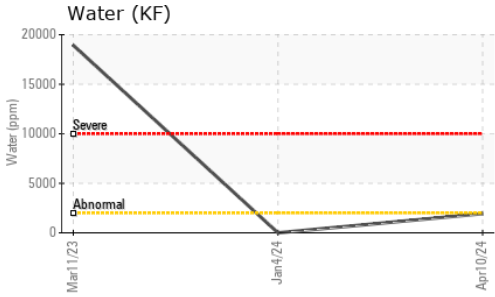
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	<b>14</b>	3	5
Sodium	ppm	ASTM D5185(m)	<b>5</b>	1	7
Potassium	ppm	ASTM D5185(m) >20	<b>2</b>	<1	10
Water	%	ASTM D6304* >0.2	<b>0.193</b>	---	▲ 1.893
ppm Water	ppm	ASTM D6304* >2000	<b>1932</b>	---	▲ 18930.6

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	<b>0.33</b>	0.49	0.71



# OIL ANALYSIS REPORT



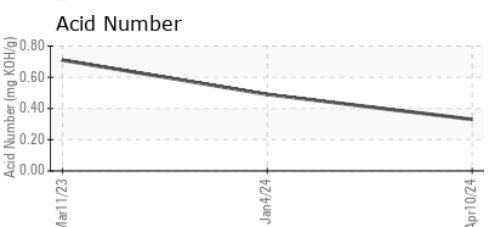
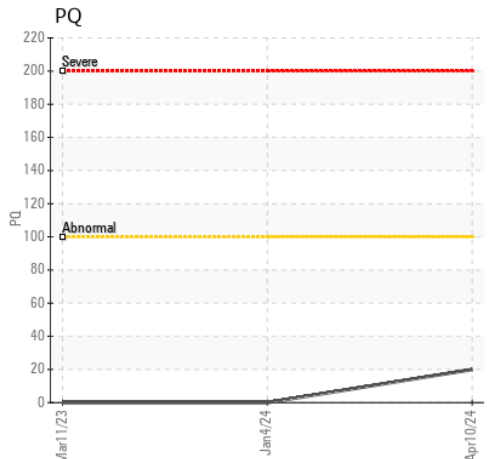
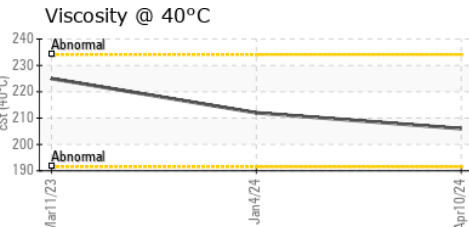
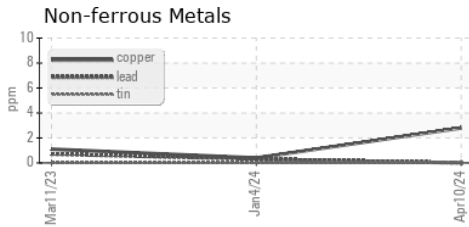
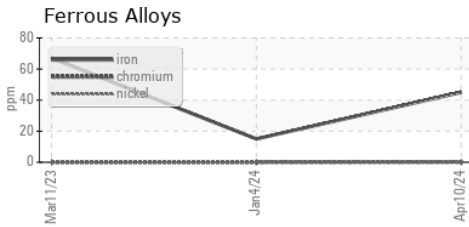
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	NONE
Silt	scalar	Visual*	NONE	<b>VLITE</b>	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML ▲ HAZY
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML
Emulsified Water	scalar	Visual*	>0.2	<b>.2%</b>	NEG ▲ .5%
Free Water	scalar	Visual*		<b>NEG</b>	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	<b>206</b>	212	225

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



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0929897 **Received** : 12 Apr 2024  
**Lab Number** : **02628615** **Tested** : 15 Apr 2024  
**Unique Number** : 5761747 **Diagnosed** : 15 Apr 2024 - Wes Davis  
**Test Package** : IND 2 ( Additional Tests: KF, TAN Man )

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.

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