

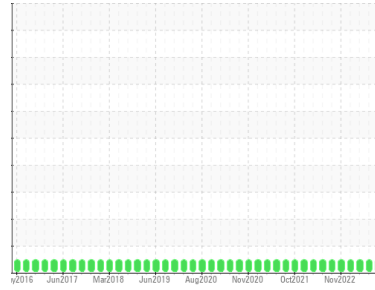
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**TEAM 15**  
Machine Id  
**156115 (S/N ROTARY AIR LOCK FEEDER)**  
Component  
**Gearbox**  
Fluid  
**PETRO CANADA ENDURATEX EP 220 (5 GAL)**



## DIAGNOSIS

- Recommendation**  
Resample at the next service interval to monitor.
- 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>PC0076947</b>	PC0070413	PC0070358
Sample Date	Client Info		<b>14 Jan 2024</b>	25 Oct 2023	15 Feb 2023
Machine Age	mths	Client Info	<b>0</b>	0	0
Oil Age	mths	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	NORMAL

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		<b>0</b>	0	0
Iron	ppm	ASTM D5185(m) >200	<b>44</b>	35	46
Chromium	ppm	ASTM D5185(m) >15	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m) >15	<b>&lt;1</b>	<1	1
Titanium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m) >25	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185(m) >100	<b>0</b>	<1	0
Copper	ppm	ASTM D5185(m) >200	<b>&lt;1</b>	1	<1
Tin	ppm	ASTM D5185(m) >25	<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m) >5	<b>0</b>	0	0
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

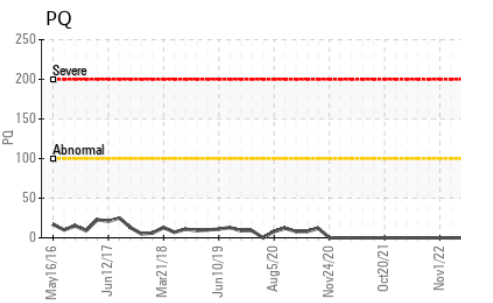
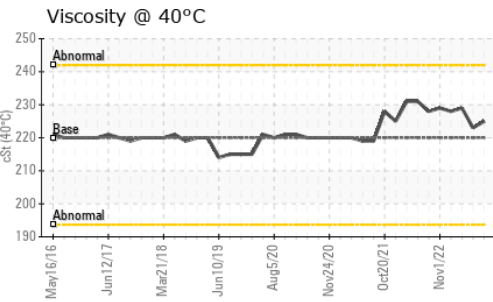
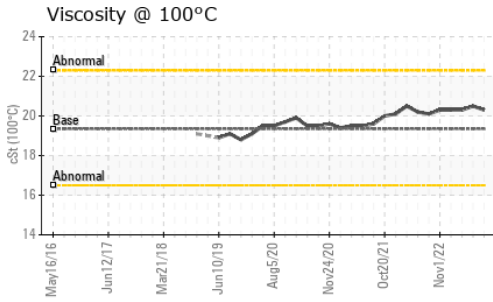
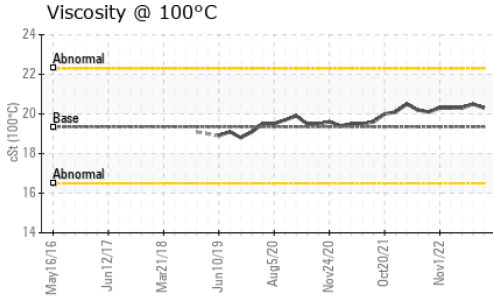
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 60	<b>46</b>	42	52
Barium	ppm	ASTM D5185(m) 0	<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185(m) 0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m) 0	<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185(m) 0	<b>&lt;1</b>	0	<1
Calcium	ppm	ASTM D5185(m) 0	<b>3</b>	3	2
Phosphorus	ppm	ASTM D5185(m) 270	<b>266</b>	254	290
Zinc	ppm	ASTM D5185(m) 0	<b>3</b>	4	3
Sulfur	ppm	ASTM D5185(m) 11200	<b>6047</b>	5383	6162
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	<b>7</b>	6	5
Sodium	ppm	ASTM D5185(m)	<b>26</b>	21	31
Potassium	ppm	ASTM D5185(m) >20	<b>2</b>	<1	1

## FLUID DEGRADATION

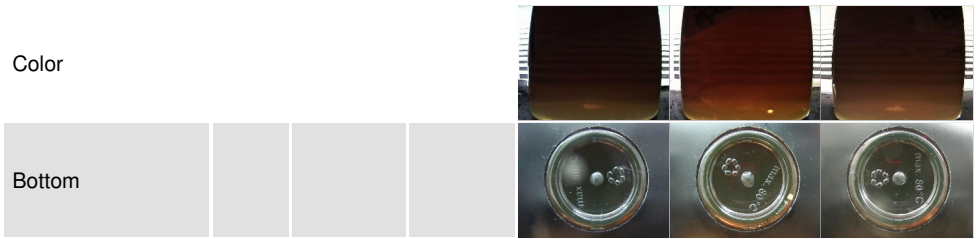
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974* 0.40	<b>0.46</b>	0.45	0.37



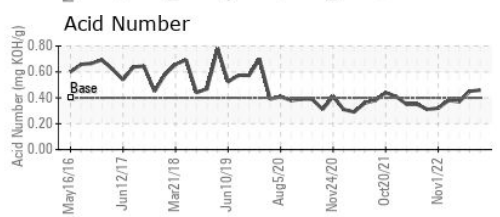
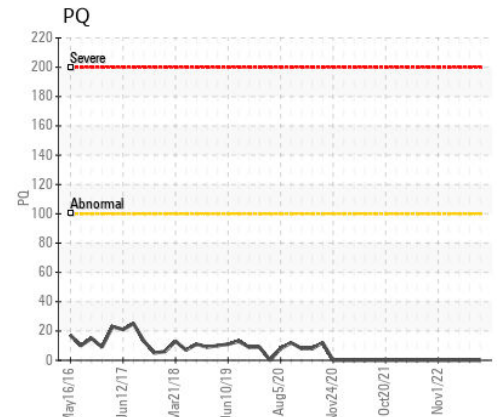
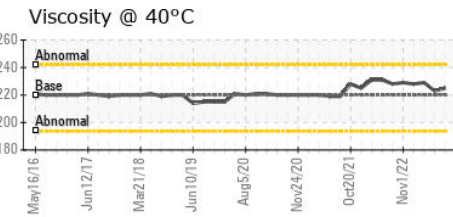
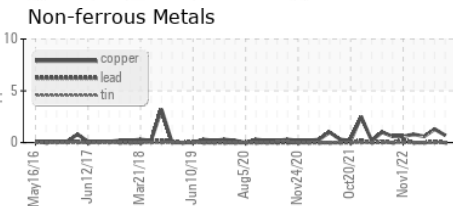
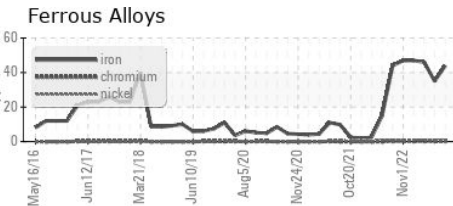
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	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 D7279(m)	220	<b>225</b>	223
Visc @ 100°C	cSt	ASTM D7279(m)	19.35	<b>20.3</b>	20.5
Viscosity Index (VI)	Scale	ASTM D2270*	99	<b>104</b>	107

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.** : PC0076947 **Received** : 24 Jan 2024  
**Lab Number** : **02610991** **Diagnosed** : 24 Jan 2024  
**Unique Number** : 5720086 **Diagnostician** : Wes Davis  
**Test Package** : IND 2 ( Additional Tests: KV100, TAN Man, VI )

**Dryden Fibre**  
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 Dryden, ON  
 CA P8N 2Z7  
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 T: (807)223-9950  
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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.