

# OIL ANALYSIS REPORT

Sample Rating Trend



**WATER**



Machine Id  
**CROWNED**  
Component  
**Gearbox**  
Fluid  
**EP 220 (--- GAL)**

## DIAGNOSIS

### ▲ Recommendation

We advise that you check for the source of water entry. Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend either performing an oil change or oil filtration. We cannot recommend specific action as we have limited information with regards to reservoir capacity and/or lubricant type. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. NOTE: There is too much water present in this sample to perform certain laboratory tests.

### Wear

All component wear rates are normal.

### ▲ Contamination

There is a moderate concentration of water present in the oil.

### Fluid Condition

The AN level is acceptable for this fluid. The oil is no longer serviceable due to the presence of contaminants.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PC0081273</b>	---	---
Sample Date	Client Info	<b>22 Apr 2024</b>	---	---
Machine Age	hrs Client Info	<b>0</b>	---	---
Oil Age	hrs Client Info	<b>0</b>	---	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>ABNORMAL</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184*	<b>5</b>	---	---
Iron	ppm ASTM D5185(m) >200	<b>23</b>	---	---
Chromium	ppm ASTM D5185(m) >15	<b>0</b>	---	---
Nickel	ppm ASTM D5185(m) >15	<b>&lt;1</b>	---	---
Titanium	ppm ASTM D5185(m)	<b>0</b>	---	---
Silver	ppm ASTM D5185(m)	<b>0</b>	---	---
Aluminum	ppm ASTM D5185(m) >25	<b>2</b>	---	---
Lead	ppm ASTM D5185(m) >100	<b>5</b>	---	---
Copper	ppm ASTM D5185(m) >200	<b>51</b>	---	---
Tin	ppm ASTM D5185(m) >25	<b>3</b>	---	---
Antimony	ppm ASTM D5185(m) >5	<b>0</b>	---	---
Vanadium	ppm ASTM D5185(m)	<b>0</b>	---	---
Beryllium	ppm ASTM D5185(m)	<b>0</b>	---	---
Cadmium	ppm ASTM D5185(m)	<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)	<b>19</b>	---	---
Barium	ppm ASTM D5185(m)	<b>0</b>	---	---
Molybdenum	ppm ASTM D5185(m)	<b>0</b>	---	---
Manganese	ppm ASTM D5185(m)	<b>&lt;1</b>	---	---
Magnesium	ppm ASTM D5185(m)	<b>&lt;1</b>	---	---
Calcium	ppm ASTM D5185(m)	<b>5</b>	---	---
Phosphorus	ppm ASTM D5185(m)	<b>173</b>	---	---
Zinc	ppm ASTM D5185(m)	<b>14</b>	---	---
Sulfur	ppm ASTM D5185(m)	<b>2850</b>	---	---
Lithium	ppm ASTM D5185(m)	<b>&lt;1</b>	---	---

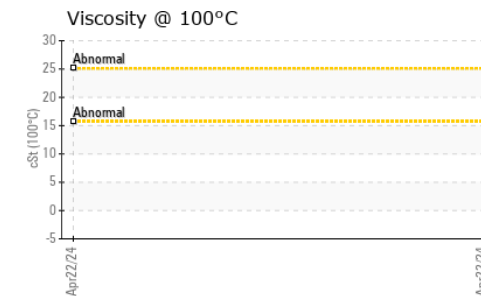
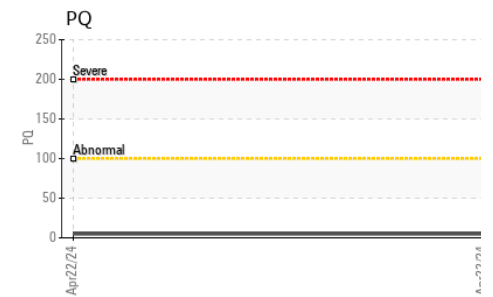
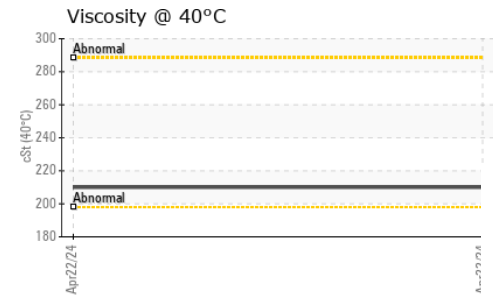
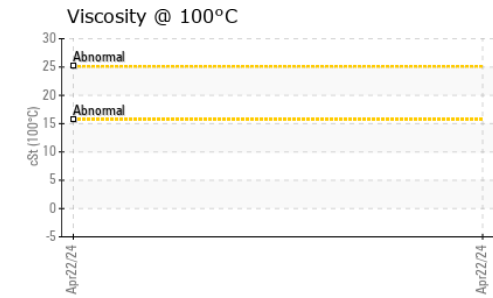
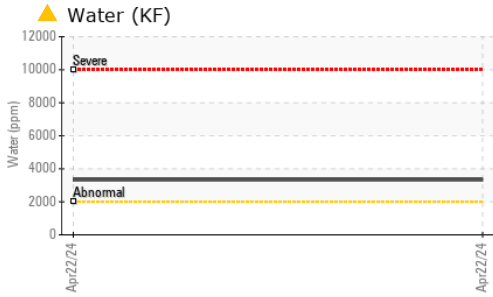
## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >50	<b>9</b>	---	---
Sodium	ppm ASTM D5185(m)	<b>9</b>	---	---
Potassium	ppm ASTM D5185(m) >20	<b>1</b>	---	---
Water	% ASTM D6304* >0.2	▲ <b>0.332</b>	---	---
ppm Water	ppm ASTM D6304* >2000	▲ <b>3329</b>	---	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D974*	<b>0.25</b>	---	---

# OIL ANALYSIS REPORT



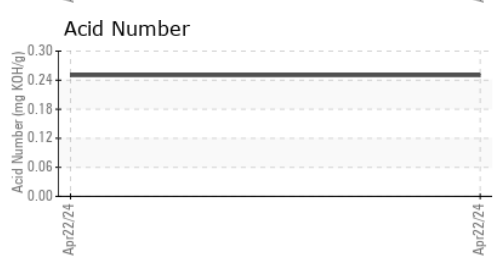
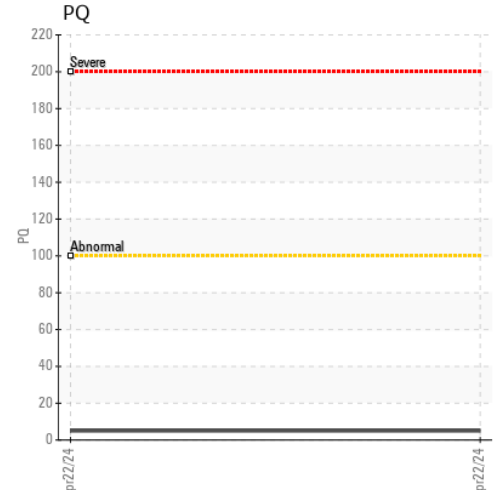
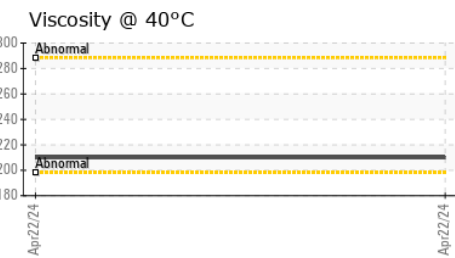
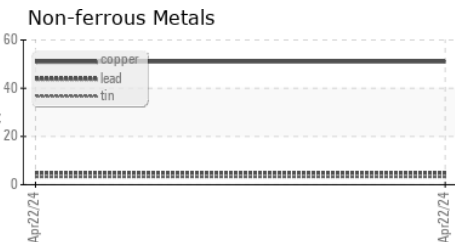
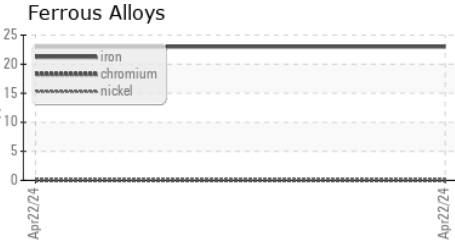
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	LIGHT	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	210	---	---

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

Color		no image	no image
Bottom		no image	no image

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0081273  
**Lab Number** : 02631406  
**Unique Number** : 5772559  
**Test Package** : IND 2 ( Additional Tests: KF, KV100, VI )  
**Received** : 25 Apr 2024  
**Tested** : 26 Apr 2024  
**Diagnosed** : 26 Apr 2024 - Kevin Marson

**Labatt - St. John`s Brewery**  
 60 Leslie Street  
 St John`s, NL  
 CA A1E 2V8  
 Contact: Paul Bowering  
 paul.bowering@labatt.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.

T:  
 F: (709)579-2018