

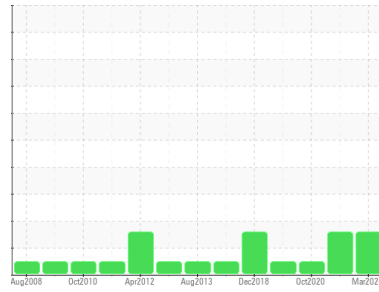


# OIL ANALYSIS REPORT



Area  
**CEGEP Ste-Foy Ch#3 [GTT224-474 1-1329481]**  
 Machine Id  
**YORK SLRM331160**  
 Component  
**Chiller**  
 Fluid  
**REFRIGERATION OIL (POE) (--- GAL)**

Sample Rating Trend



WATER



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

### Wear

All component wear rates are normal.

### Contamination

The elevated moisture content is associated with POE oils which are hygroscopic, and can absorb moisture from sampling and processing.

### 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>GTT0001129</b>	GTT0000606	GTT67802
Sample Date	Client Info		<b>20 Mar 2024</b>	23 Aug 2023	26 Oct 2020
Machine Age	hrs	Client Info	<b>0</b>	0	---
Oil Age	hrs	Client Info	<b>0</b>	0	---
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>ATTENTION</b>	ATTENTION	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >8	<b>2</b>	<1	<1
Chromium	ppm	ASTM D5185(m) >2	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Silver	ppm	ASTM D5185(m) >2	<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185(m) >3	<b>0</b>	0	<1
Lead	ppm	ASTM D5185(m) >2	<b>0</b>	0	<1
Copper	ppm	ASTM D5185(m) >8	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185(m) >4	<b>0</b>	0	<1
Antimony	ppm	ASTM D5185(m)	<b>0</b>	0	---
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) 0	<b>&lt;1</b>	<1	---
Barium	ppm	ASTM D5185(m) 0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m) 0	<b>0</b>	0	---
Manganese	ppm	ASTM D5185(m) 0	<b>0</b>	0	---
Magnesium	ppm	ASTM D5185(m) 0	<b>0</b>	0	---
Calcium	ppm	ASTM D5185(m) 10	<b>0</b>	0	---
Phosphorus	ppm	ASTM D5185(m) 250	<b>&lt;1</b>	0	---
Zinc	ppm	ASTM D5185(m) 0	<b>&lt;1</b>	<1	<1
Sulfur	ppm	ASTM D5185(m) 400	<b>22</b>	15	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >15	<b>5</b>	14	---
Sodium	ppm	ASTM D5185(m)	<b>0</b>	<1	---
Potassium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	0	---
ppm Water	ppm	ASTM D6304* >200	<b>395</b>	463	273

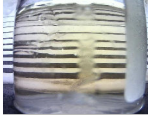

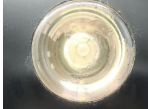

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974* 0.07	<b>0.03</b>	0.02	0.018

# OIL ANALYSIS REPORT

VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	<b>VLITE</b>	NONE	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	Visual*	NONE	<b>VLITE</b>	NONE	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	<b>62.3</b>	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					no image
Bottom					no image

## GRAPHS



**Sample No.** : GTT0001129      **Received** : 02 Jul 2024  
**Lab Number** : 02645089      **Tested** : 05 Jul 2024  
**Unique Number** : 5802628      **Diagnosed** : 05 Jul 2024 - Bill Quesnel  
**Test Package** : IND 2 ( Additional Tests: KF, TAN Man )  
*To discuss this sample report, contact Customer Service at 1-905-847-9300 Ext 26.*  
*Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.*  
*Damages: Seller shall in no event be liable for special, incidental, or consequential damages, of a commercial nature, resulting from any cause.*

**Johnson Controls- Quebec**  
 Société de Contrôles Johnson Canada, 765 Ave Godin  
 Québec, QC  
 CA G1M 2W8  
 Contact: Service Manager