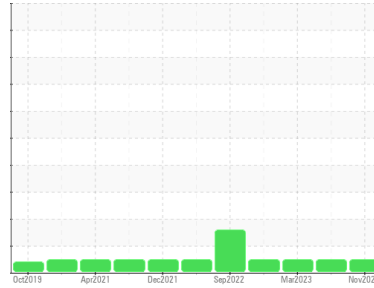




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**P21176 COMPRESSOR #2**  
 Component  
**2 Compressor**  
 Fluid  
**INGERSOLL-RAND TECHTROL GOLD (--- GAL)**

**DIAGNOSIS**

**Recommendation**

Resample at the next service interval to monitor.

**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>CB0031613</b>	CB0031331	CB0031337
Sample Date	Client Info		<b>29 Nov 2023</b>	23 Aug 2023	20 Mar 2023
Machine Age	hrs	Client Info	<b>0</b>	0	0
Oil Age	hrs	Client Info	<b>0</b>	25360	0
Oil Changed	Client Info		<b>Not Changed</b>	Not Changd	Not Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

**WEAR METALS**

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		<b>0</b>	0	0
Iron	ppm	ASTM D5185(m) >50	<b>&lt;1</b>	<1	<1
Chromium	ppm	ASTM D5185(m) >10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185(m) >25	<b>0</b>	<1	<1
Lead	ppm	ASTM D5185(m) >25	<b>&lt;1</b>	0	<1
Copper	ppm	ASTM D5185(m) >50	<b>4</b>	4	3
Tin	ppm	ASTM D5185(m) >15	<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m)	<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>&lt;1</b>	0	3
Barium	ppm	ASTM D5185(m)	<b>391</b>	397	393
Molybdenum	ppm	ASTM D5185(m)	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)	<b>0</b>	<1	0
Calcium	ppm	ASTM D5185(m)	<b>4</b>	4	1
Phosphorus	ppm	ASTM D5185(m)	<b>22</b>	24	26
Zinc	ppm	ASTM D5185(m)	<b>4</b>	4	4
Sulfur	ppm	ASTM D5185(m)	<b>264</b>	248	244
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1

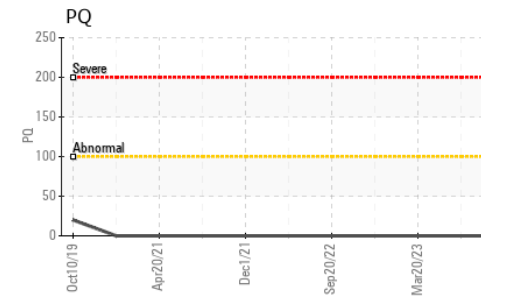
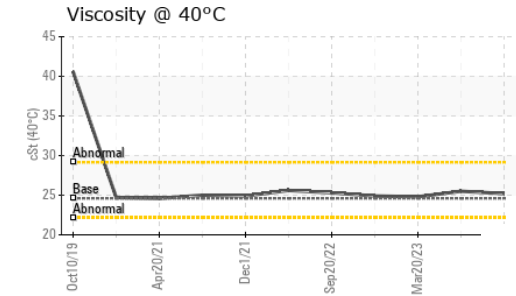
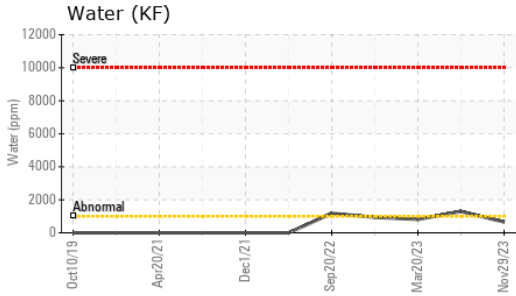
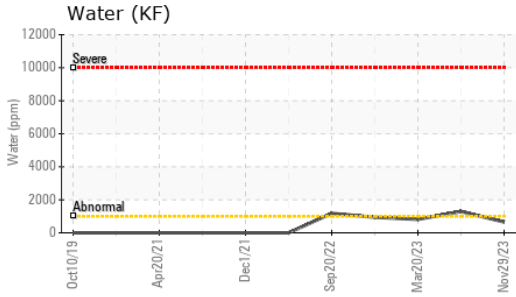
**CONTAMINANTS**

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	<b>&lt;1</b>	<1	<1
Sodium	ppm	ASTM D5185(m)	<b>5</b>	4	13
Potassium	ppm	ASTM D5185(m) >20	<b>0</b>	3	2
Water	%	ASTM D6304* >0.1	<b>0.065</b>	0.129	0.081
ppm Water	ppm	ASTM D6304* >1000	<b>656</b>	1291.8	815.9

**FLUID DEGRADATION**

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974* 0.10	<b>0.38</b>	0.35	0.34

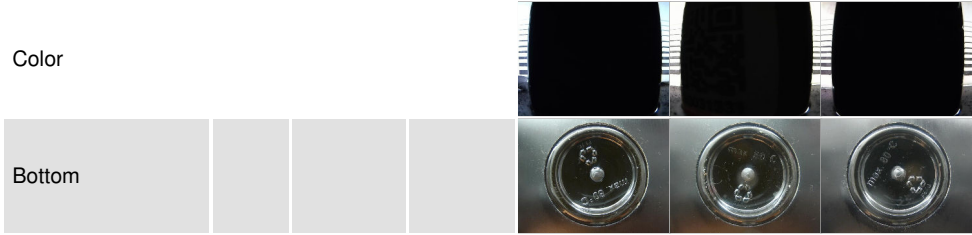
# OIL ANALYSIS REPORT



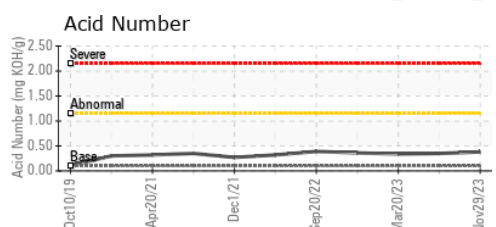
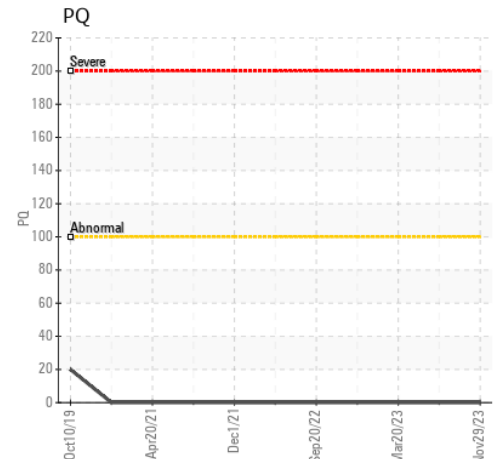
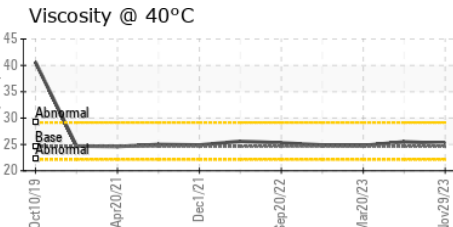
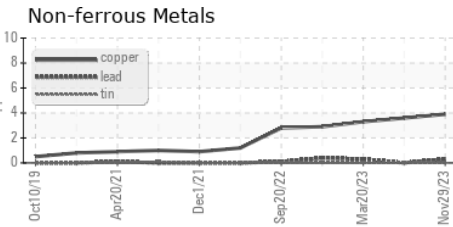
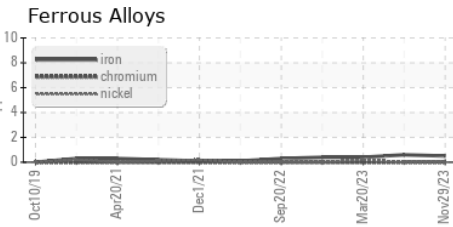
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	24.6	25.2	25.5 24.8

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.** : CB0031613 **Received** : 06 Dec 2023  
**Lab Number** : 02601240 **Diagnosed** : 07 Dec 2023  
**Unique Number** : 5694325 **Diagnostician** : Bill Quesnel  
**Test Package** : IND 2 ( Additional Tests: KF, TAN Man )

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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.