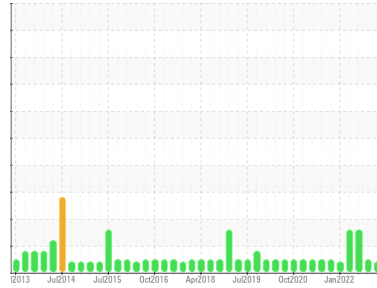




# PROBLEM SUMMARY

Sample Rating Trend



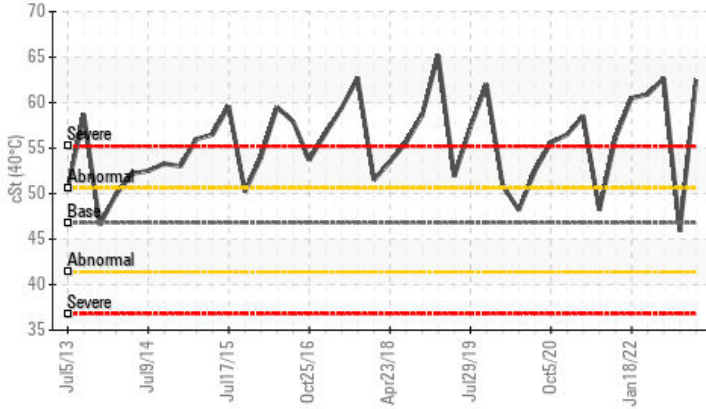
## VISCOSITY



Area  
**1**  
Machine Id  
**1-3-2030**  
Component  
**Air Compressor**  
Fluid  
**GARDNER DENVER AEON 4000 (200 LTR)**

### COMPONENT CONDITION SUMMARY

▲ Viscosity @ 40°C



### RECOMMENDATION

Resample at the next service interval to monitor.

### PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	NORMAL	ABNORMAL
Visc @ 40°C	cSt	ASTM D7279(m)	46.8	▲ 62.5	45.9	▲ 62.7

Customer Id: STMBOW  
Sample No.: WC0818121  
Lab Number: 02560254  
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
Kevin Marson +1 (289)291-4644 x4644  
[Kevin.Marson@wearcheck.com](mailto:Kevin.Marson@wearcheck.com)

To change component or sample information:  
Gloria Gonzalez +1 (289)291-4643 x4643  
[gloria.gonzalez@wearcheck.com](mailto:gloria.gonzalez@wearcheck.com)

## RECOMMENDED ACTIONS

There are no recommended actions for this sample.

## HISTORICAL DIAGNOSIS

### 26 Oct 2022 Diag: Wes Davis

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



### 26 Jul 2022 Diag: Kevin Marson

DEGRADATION



We recommend that you drain the oil from the component if this has not already been done. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is above the recommended limit. The oil viscosity is higher than normal. Viscosity of sample indicates oil is within ISO 68 range, advise investigate. The oil is no longer serviceable.

view report



### 09 May 2022 Diag: Bill Quesnel

DEGRADATION



We recommend that you drain the oil from the component if this has not already been done. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is above the recommended limit. The oil viscosity is higher than normal. Viscosity of sample indicates oil is within ISO 68 range, advise investigate. The oil is no longer serviceable.

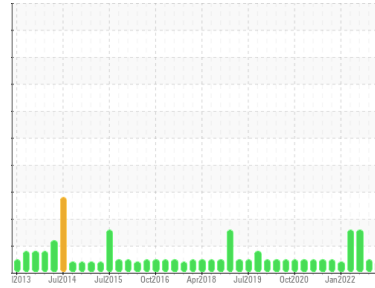
view report





# OIL ANALYSIS REPORT

Sample Rating Trend



## VISCOSITY



Area

**1**

Machine Id

**1-3-2030**

Component

**Air Compressor**

Fluid

**GARDNER DENVER AEON 4000 (200 LTR)**

### 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

Viscosity of sample indicates oil is within ISO 68 range, advise investigate. 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>WC0818121</b>	WC0751873	WC0714872
Sample Date	Client Info		<b>11 May 2023</b>	26 Oct 2022	26 Jul 2022
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>ABNORMAL</b>	NORMAL	ABNORMAL

### WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		<b>0</b>	0	0
Iron	ppm	ASTM D5185(m) >50	<b>0</b>	<1	<1
Chromium	ppm	ASTM D5185(m) >4	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m) >4	<b>&lt;1</b>	1	<1
Titanium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	0	<1
Lead	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185(m) >40	<b>3</b>	7	4
Tin	ppm	ASTM D5185(m) >5	<b>&lt;1</b>	0	<1
Antimony	ppm	ASTM D5185(m)	<b>&lt;1</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) 0.2	<b>0</b>	<1	<1
Barium	ppm	ASTM D5185(m) 0.0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m) 0.0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m) 0.0	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m) 0.0	<b>0</b>	0	<1
Calcium	ppm	ASTM D5185(m) 0.0	<b>0</b>	<1	11
Phosphorus	ppm	ASTM D5185(m) 312	<b>0</b>	0	2
Zinc	ppm	ASTM D5185(m) 0.0	<b>1</b>	2	2
Sulfur	ppm	ASTM D5185(m) 1629	<b>1296</b>	1978	537
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1

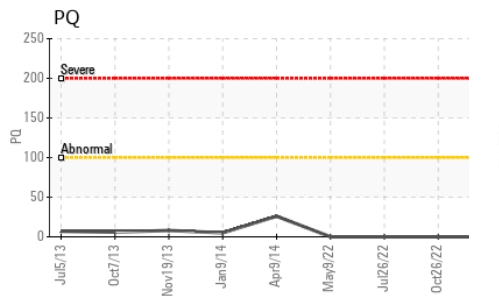
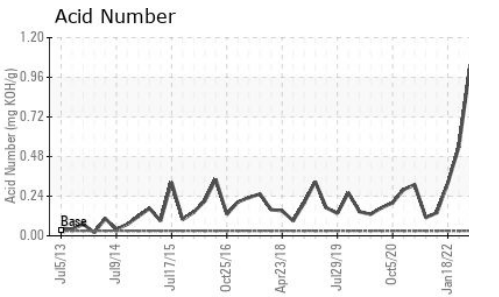
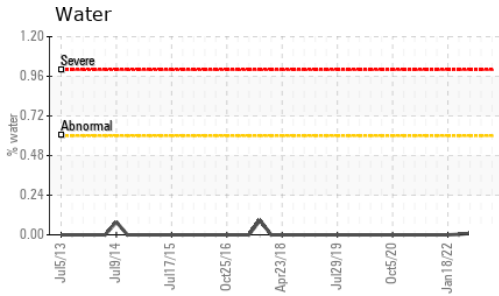
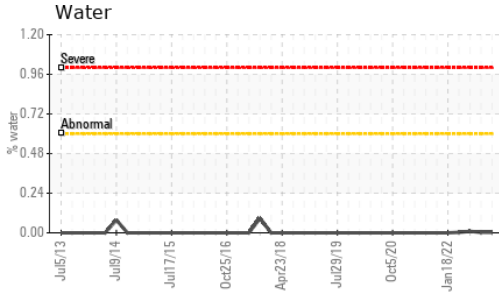
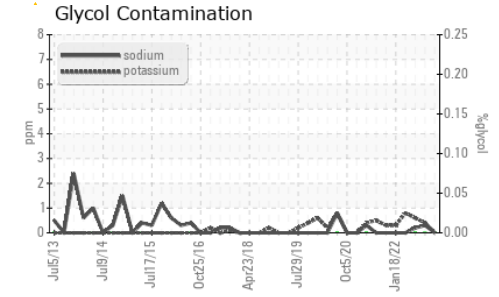
### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	<b>0</b>	0	<1
Sodium	ppm	ASTM D5185(m)	<b>0</b>	<1	<1
Potassium	ppm	ASTM D5185(m) >20	<b>0</b>	<1	<1
Water	%	ASTM D6304* >0.6	<b>0.002</b>	0.003	0.009
ppm Water	ppm	ASTM D6304* >6000	<b>22.1</b>	27.8	96.2
Glycol	%	ASTM D7922*	<b>0.0</b>	0.0	0.0

### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974* 0.03	<b>0.26</b>	0.27	▲ 1.03

# OIL ANALYSIS REPORT



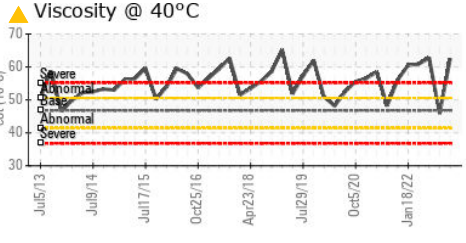
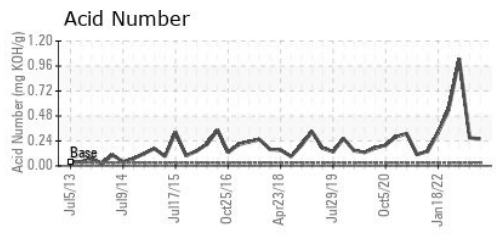
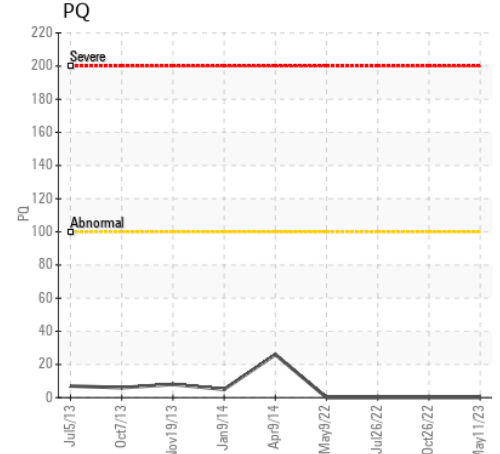
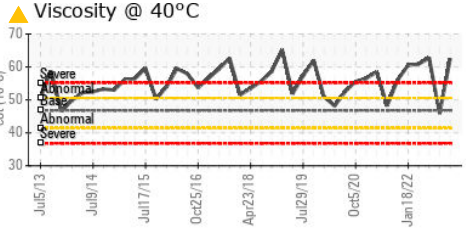
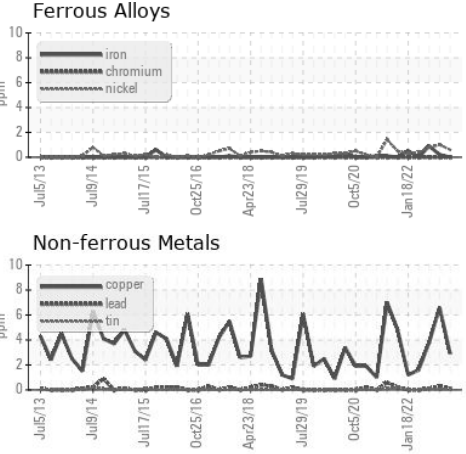
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	LIGHT	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.6	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	62.5	45.9	62.7

**SAMPLE IMAGES**

method	limit/base	current	history1	history2
Color				
Bottom				

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0818121 **Received** : 29 May 2023  
**Lab Number** : 02560254 **Diagnosed** : 30 May 2023  
**Unique Number** : 5581294 **Diagnostician** : Kevin Marson  
**Test Package** : IND 2 ( Additional Tests: Glycol, 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.

**ST. MARYS CEMENT CO.**  
 400 BOWMANVILLE AVENUE  
 BOWMANVILLE, ON  
 CA L1C 7B5  
 Contact: Aleksandrs Cascins  
 Alex.Cascins@vcimentos.com  
 T: (905)623-3341  
 F: (905)623-4695