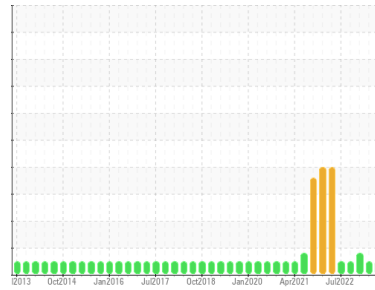




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

**1**

Machine Id

**1-201-2**

Component

**Air Compressor**

Fluid

**GARDNER DENVER AEON 4000 (150 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

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>WC0869841</b>	WC0842638	WC0818114
Sample Date	Client Info		<b>23 Oct 2023</b>	01 Aug 2023	11 May 2023
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>NORMAL</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>	0	0
Chromium	ppm	ASTM D5185(m) >4	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m) >4	<b>&lt;1</b>	<1	0
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) >10	<b>&lt;1</b>	0	<1
Lead	ppm	ASTM D5185(m) >20	<b>0</b>	<1	0
Copper	ppm	ASTM D5185(m) >40	<b>2</b>	5	<1
Tin	ppm	ASTM D5185(m) >5	<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m)	<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) 0.2	<b>&lt;1</b>	0	0
Barium	ppm	ASTM D5185(m) 0.0	<b>&lt;1</b>	0	<1
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	0
Calcium	ppm	ASTM D5185(m) 0.0	<b>&lt;1</b>	<1	0
Phosphorus	ppm	ASTM D5185(m) 312	<b>1</b>	<1	0
Zinc	ppm	ASTM D5185(m) 0.0	<b>&lt;1</b>	1	<1
Sulfur	ppm	ASTM D5185(m) 1629	<b>1156</b>	1397	▲ 308
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1

## CONTAMINANTS

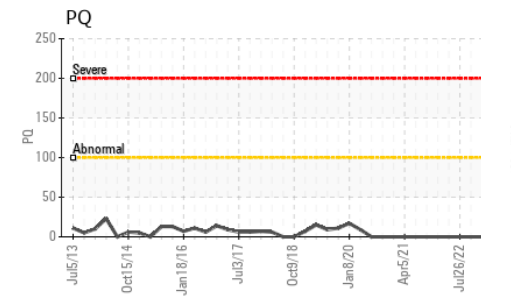
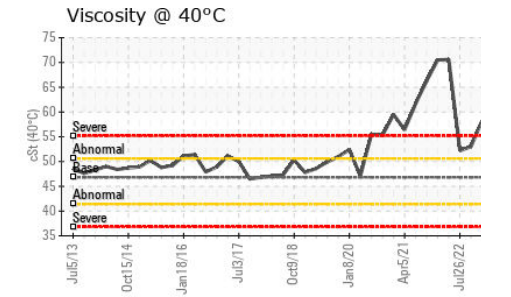
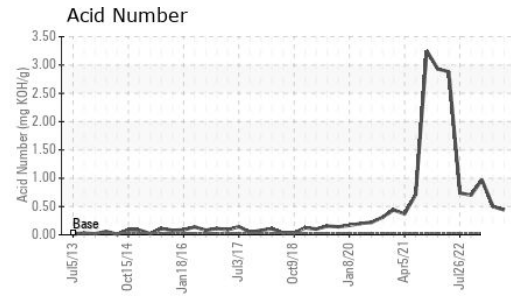
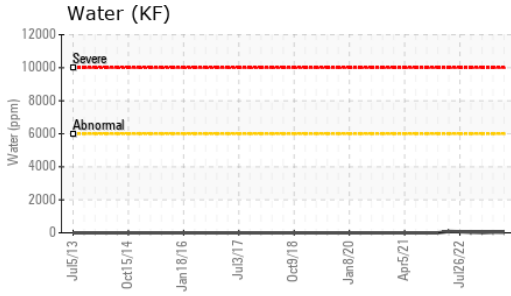
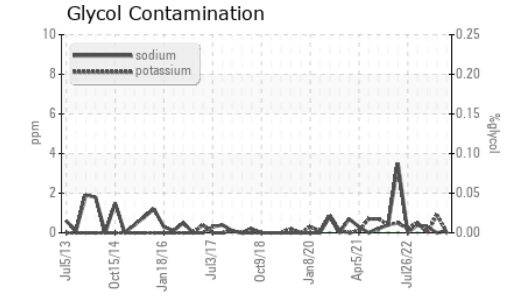
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	<b>0</b>	0	0
Sodium	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	<1
Potassium	ppm	ASTM D5185(m) >20	<b>0</b>	<1	0
Water	%	ASTM D6304* >0.6	<b>0.003</b>	0.004	0.001
ppm Water	ppm	ASTM D6304* >6000	<b>30</b>	41.4	6.5
Glycol	%	ASTM D7922*	<b>0.0</b>	0.0	0.0

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974* 0.03	<b>0.44</b>	0.50	0.97



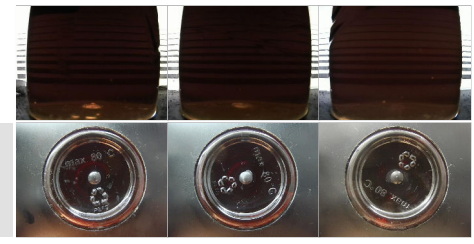
# OIL ANALYSIS REPORT



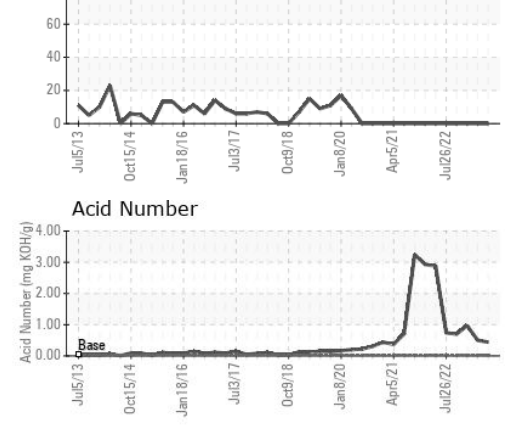
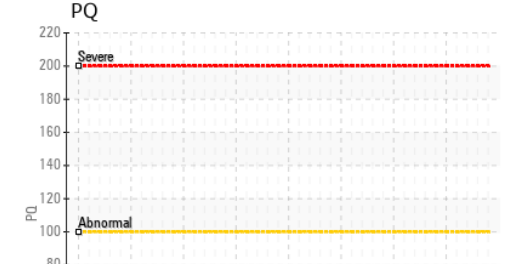
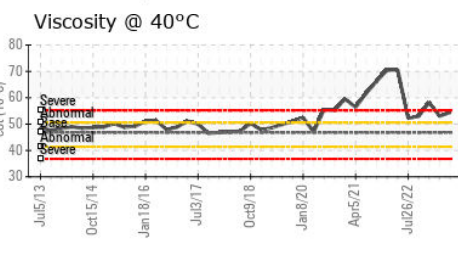
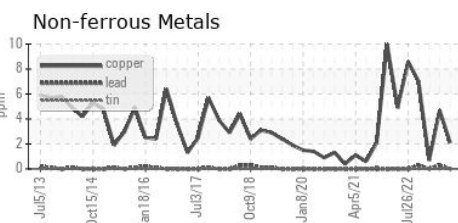
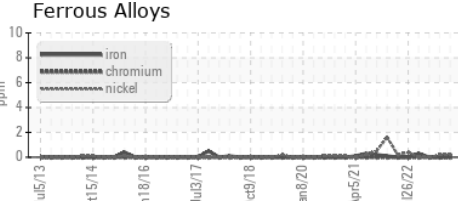
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	46.8	54.5	53.0 ▲ 58.2

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					



## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0869841 **Received** : 08 Dec 2023  
**Lab Number** : 02601855 **Diagnosed** : 11 Dec 2023  
**Unique Number** : 5694940 **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.

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