



# PROBLEM SUMMARY

Sample Rating Trend

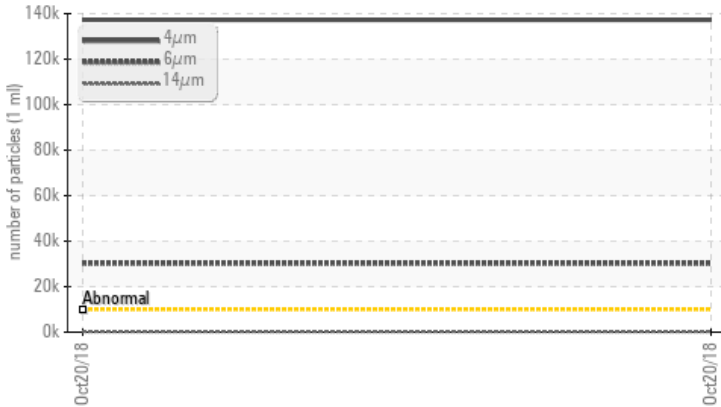
ISO

Area  
**[S10044257]**  
 Machine Id  
**GARDNER DENVER C-102 (S/N 5552668)**  
 Component  
**Compressor**  
 Fluid  
**GARDNER DENVER AEON 9000 TH (--- GAL)**



## COMPONENT CONDITION SUMMARY

### ▲ Particle Trend



## RECOMMENDATION

No corrective action is recommended at this time.  
 Follow-up sample received. Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry updates.

## PROBLEMATIC TEST RESULTS

Sample Status				<b>ABNORMAL</b>	---	---
Particles >4µm	ASTM D7647	>10000	▲	<b>137264</b>	---	---
Particles >6µm	ASTM D7647	>2500	▲	<b>30278</b>	---	---
Oil Cleanliness	ISO 4406 (c)	>20/18/15	▲	<b>24/22/15</b>	---	---

Customer Id: WESLONWC  
 Sample No.: WCI2338587  
 Lab Number: 04582613  
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Doug Bogart +1 (800)237-1369 x4016  
[dougb@wearcheckusa.com](mailto:dougb@wearcheckusa.com)

To change component or sample information:  
 Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter	MISSED	Nov 01 2018	?	We recommend you service the filters on this component.

## HISTORICAL DIAGNOSIS



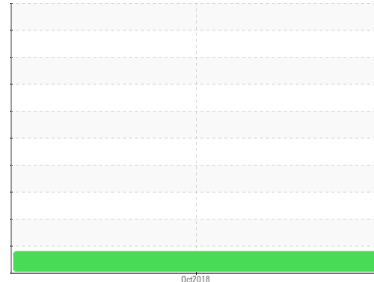
# OIL ANALYSIS REPORT

Sample Rating Trend

ISO



Area  
**[S10044257]**  
 Machine Id  
**GARDNER DENVER C-102 (S/N 5552668)**  
 Component  
**Compressor**  
 Fluid  
**GARDNER DENVER AEON 9000 TH (--- GAL)**



## DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. Follow-up sample received. Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry updates.

### Wear

All component wear rates are normal.

### Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

method	limit/base	current	history 1	history 2
Sample Number	Client Info	<b>WCI2338587</b>	---	---
Sample Date	Client Info	<b>20 Oct 2018</b>	---	---
Machine Age	hrs Client Info	<b>53</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	history 1	history 2
Iron ppm ASTM D5185m	>50	<b>2</b>	---	---
Chromium ppm ASTM D5185m	>10	<b>0</b>	---	---
Nickel ppm ASTM D5185m		<b>0</b>	---	---
Titanium ppm ASTM D5185m		<b>0</b>	---	---
Silver ppm ASTM D5185m		<b>0</b>	---	---
Aluminum ppm ASTM D5185m	>25	<b>&lt;1</b>	---	---
Lead ppm ASTM D5185m	>25	<b>0</b>	---	---
Copper ppm ASTM D5185m	>50	<b>0</b>	---	---
Tin ppm ASTM D5185m	>15	<b>0</b>	---	---
Antimony ppm ASTM D5185m		<b>0</b>	---	---
Vanadium ppm ASTM D5185m		<b>0</b>	---	---
Cadmium ppm ASTM D5185m		<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history 1	history 2
Boron ppm ASTM D5185m		<b>&lt;1</b>	---	---
Barium ppm ASTM D5185m		<b>0</b>	---	---
Molybdenum ppm ASTM D5185m		<b>0</b>	---	---
Manganese ppm ASTM D5185m		<b>&lt;1</b>	---	---
Magnesium ppm ASTM D5185m		<b>0</b>	---	---
Calcium ppm ASTM D5185m		<b>&lt;1</b>	---	---
Phosphorus ppm ASTM D5185m		<b>807</b>	---	---
Zinc ppm ASTM D5185m		<b>&lt;1</b>	---	---
Sulfur ppm ASTM D5185m		<b>0</b>	---	---

## CONTAMINANTS

method	limit/base	current	history 1	history 2
Silicon ppm ASTM D5185m	>25	<b>&lt;1</b>	---	---
Sodium ppm ASTM D5185m		<b>&lt;1</b>	---	---
Potassium ppm ASTM D5185m	>20	<b>1</b>	---	---

## FLUID CLEANLINESS

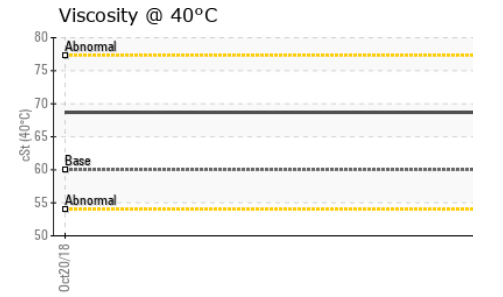
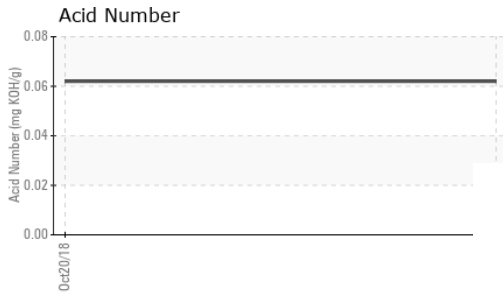
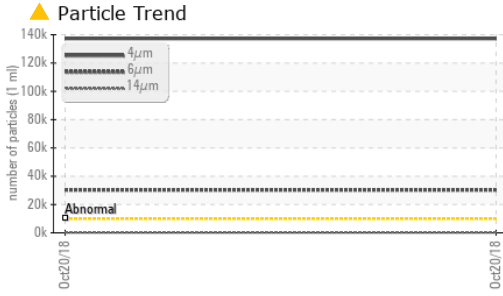
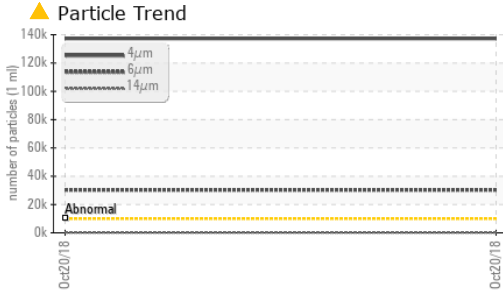
method	limit/base	current	history 1	history 2
Particles >4µm ASTM D7647	>10000	<b>▲ 137264</b>	---	---
Particles >6µm ASTM D7647	>2500	<b>▲ 30278</b>	---	---
Particles >14µm ASTM D7647	>320	<b>249</b>	---	---
Particles >21µm ASTM D7647	>80	<b>35</b>	---	---
Particles >38µm ASTM D7647	>20	<b>4</b>	---	---
Particles >71µm ASTM D7647	>4	<b>0</b>	---	---
Oil Cleanliness ISO 4406 (c)	>20/18/15	<b>▲ 24/22/15</b>	---	---

## FLUID DEGRADATION

method	limit/base	current	history 1	history 2
Acid Number (AN) mg KOH/g ASTM D8045		<b>0.062</b>	---	---



# OIL ANALYSIS REPORT



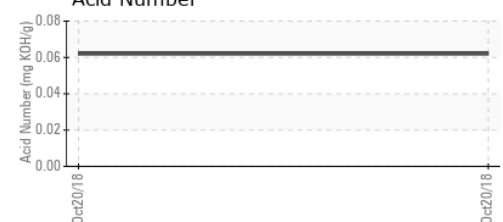
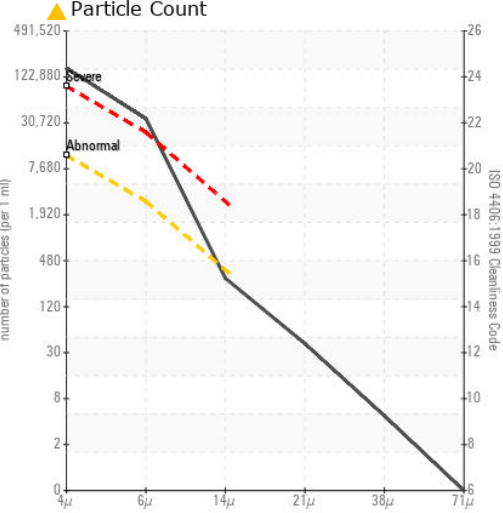
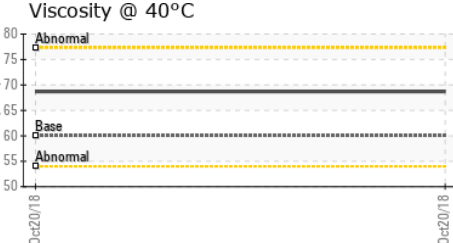
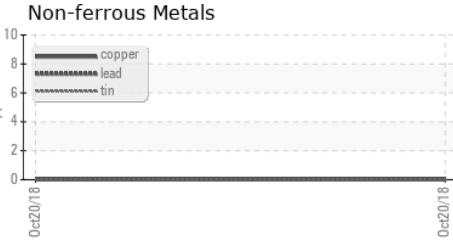
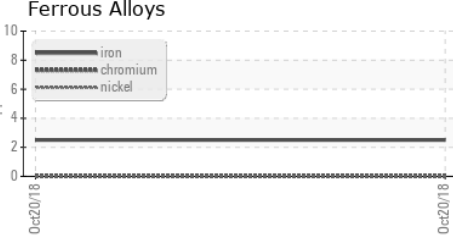
VISUAL	method	limit/base	current	history 1	history 2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history 1	history 2	
Visc @ 40°C	cSt	ASTM D445	60.01	68.7	---	---

SAMPLE IMAGES	method	limit/base	current	history 1	history 2
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Color		no image	no image
Bottom		no image	no image

### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC12338587 **Received** : 31 Oct 2018  
**Lab Number** : 04582613 **Diagnosed** : 01 Nov 2018  
**Unique Number** : 8381530 **Diagnostician** : Doug Bogart  
**Test Package** : IND 2 ( Additional Tests: PrtCount )

**WESTLAKE CHEMICAL**  
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Certificate L2367  
 To discuss this sample report, contact Customer Service at 1-800-237-1369.  
 \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.  
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)