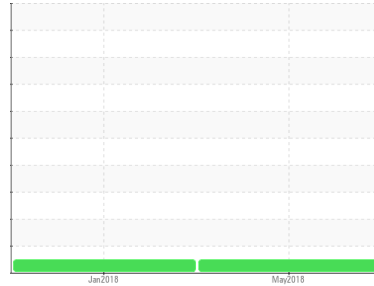




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area

[9596252]

Machine Id

**GARDNER DENVER C-9 (S/N D163121)**

Component

**Compressor**

Fluid

**GARDNER DENVER AEON 9000 SP (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable.

### 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	history 1	history 2
Sample Number	Client Info		<b>WCI2333157</b>	WCI2327639	---
Sample Date	Client Info		<b>25 May 2018</b>	24 Jan 2018	---
Machine Age	hrs	Client Info	<b>872</b>	646	---
Oil Age	hrs	Client Info	<b>0</b>	0	---
Oil Changed	Client Info		<b>N/A</b>	N/A	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## WEAR METALS

	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m >50	<b>&lt;1</b>	<1	---
Chromium	ppm	ASTM D5185m >10	<b>0</b>	0	---
Nickel	ppm	ASTM D5185m	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m	<b>0</b>	0	---
Silver	ppm	ASTM D5185m	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >25	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185m >25	<b>&lt;1</b>	<1	---
Copper	ppm	ASTM D5185m >50	<b>0</b>	0	---
Tin	ppm	ASTM D5185m >15	<b>0</b>	0	---
Antimony	ppm	ASTM D5185m	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m 0	<b>0</b>	2	---
Barium	ppm	ASTM D5185m 0	<b>0</b>	2	---
Molybdenum	ppm	ASTM D5185m 0	<b>0</b>	0	---
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m 0	<b>0</b>	1	---
Calcium	ppm	ASTM D5185m 0	<b>0</b>	2	---
Phosphorus	ppm	ASTM D5185m 800	<b>764</b>	716	---
Zinc	ppm	ASTM D5185m 0	<b>0</b>	3	---
Sulfur	ppm	ASTM D5185m 0	<b>26</b>	48	---

## CONTAMINANTS

	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m >25	<b>0</b>	<1	---
Sodium	ppm	ASTM D5185m	<b>0</b>	3	---
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	2	---

## FLUID CLEANLINESS

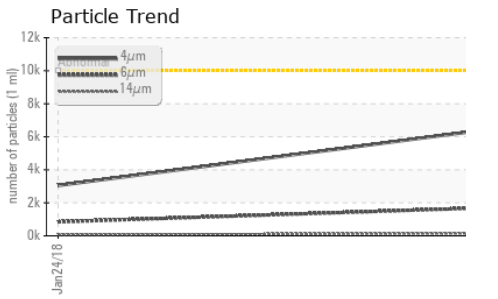
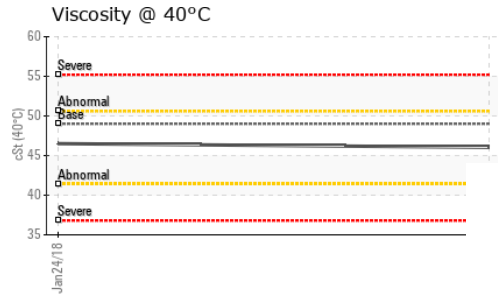
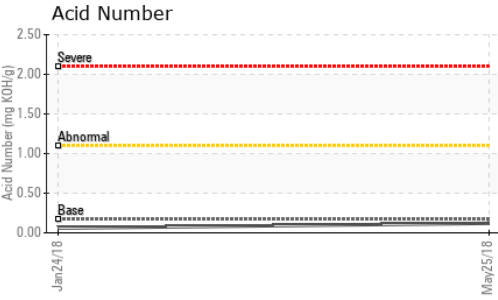
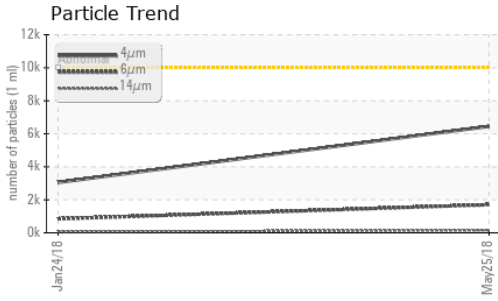
	method	limit/base	current	history 1	history 2
Particles >4µm	ASTM D7647	>10000	<b>6452</b>	3051	---
Particles >6µm	ASTM D7647	>2500	<b>1702</b>	846	---
Particles >14µm	ASTM D7647	>320	<b>144</b>	71	---
Particles >21µm	ASTM D7647	>80	<b>48</b>	17	---
Particles >38µm	ASTM D7647	>20	<b>2</b>	2	---
Particles >71µm	ASTM D7647	>4	<b>0</b>	0	---
Oil Cleanliness	ISO 4406 (c)	>20/18/15	<b>20/18/14</b>	19/17/13	---

## FLUID DEGRADATION

	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D8045 .170	<b>0.120</b>	0.059	---



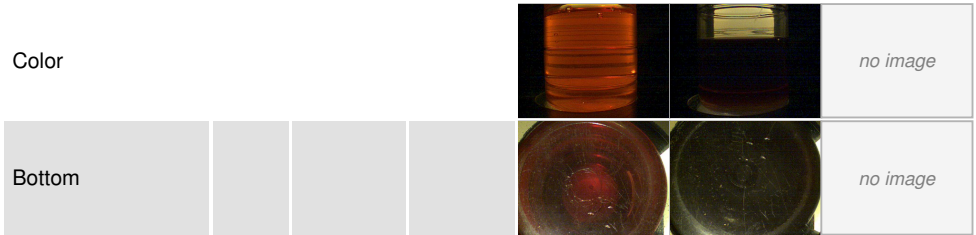
# OIL ANALYSIS REPORT



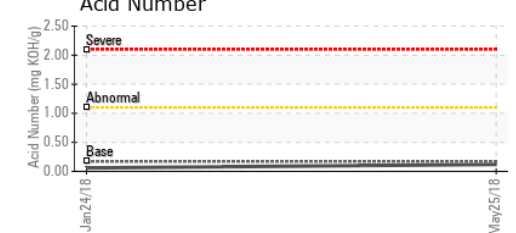
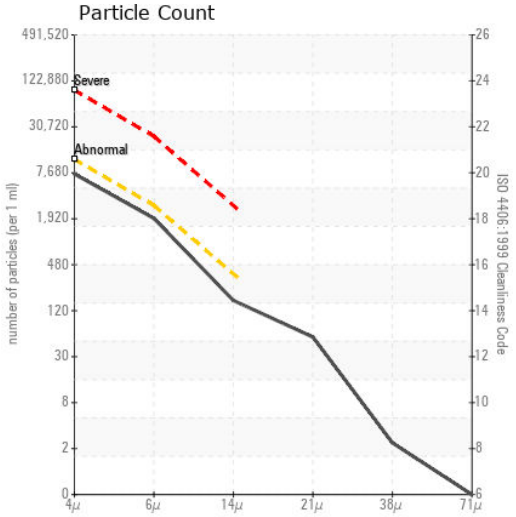
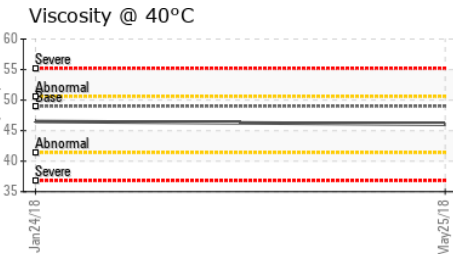
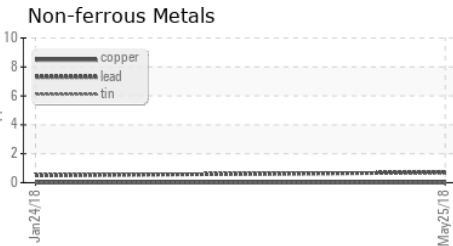
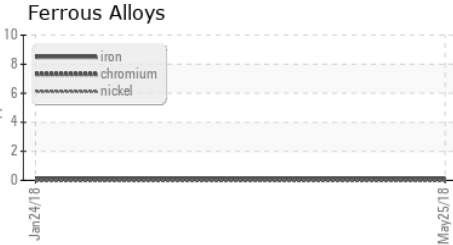
VISUAL	method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	VLITE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*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	49.01	46.04	46.51

SAMPLE IMAGES	method	limit/base	current	history 1	history 2
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## GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : WC12333157 Received : 26 Jun 2018  
 Lab Number : 04498435 Diagnosed : 27 Jun 2018  
 Unique Number : 8247246 Diagnostician : Don Baldrige  
 Test Package : IND 2 ( Additional Tests: PrtCount )

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)

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