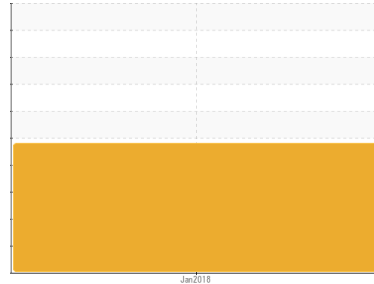




PROBLEM SUMMARY

Area
[9381690]
 Machine Id
GARDNER DENVER C-8 (S/N S521766)
 Component
Compressor
 Fluid
GARDNER DENVER AEON 9000 SP (--- GAL)

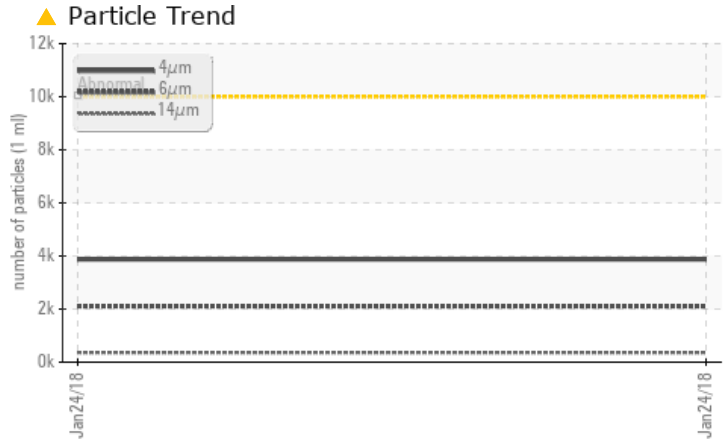
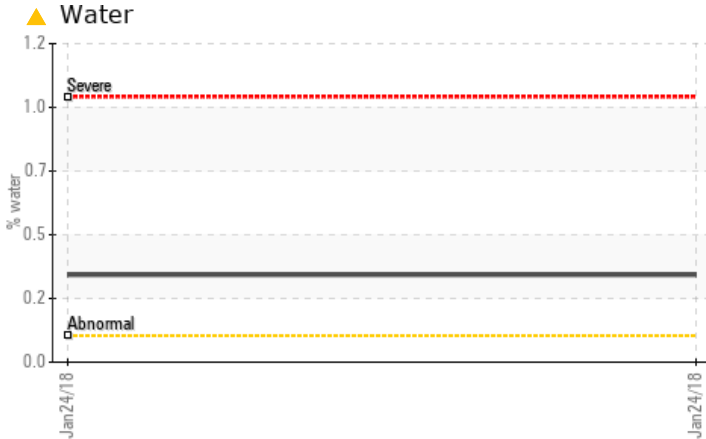
Sample Rating Trend



WATER



COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Water	%	ASTM D6304	>0.1	▲ 0.329	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ 3290	---	---
Particles >14µm		ASTM D7647	>320	▲ 359	---	---
Particles >21µm		ASTM D7647	>80	▲ 121	---	---
Oil Cleanliness		ISO 4406 (c)	>20/18/15	▲ 19/18/16	---	---
Appearance	scalar	*Visual	NORML	▲ LAYRD	---	---
Free Water	scalar	*Visual		▲ 2.0	---	---

Customer Id: WESLONWC
 Sample No.: WCI2317641
 Lab Number: 04413728
 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

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

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Water Drain-off	MISSED	Jun 27 2018	?	We advise that you follow the water drain-off procedure for this component.
Resample	MISSED	Jun 27 2018	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

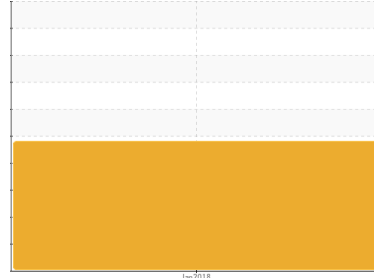


OIL ANALYSIS REPORT

Sample Rating Trend

WATER

Area
[9381690]
 Machine Id
GARDNER DENVER C-8 (S/N S521766)
 Component
Compressor
 Fluid
GARDNER DENVER AEON 9000 SP (--- GAL)



DIAGNOSIS

▲ Recommendation

We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

▲ Contamination

There is a moderate amount of particulates present in the oil. There is a light concentration of water present in the oil. Free water present.

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		WCI2317641	---	---
Sample Date	Client Info		24 Jan 2018	---	---
Machine Age	hrs	Client Info	4462	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			ABNORMAL	---	---

WEAR METALS

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

ADDITIVES

	method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m 0	2	---	---
Barium	ppm	ASTM D5185m 0	0	---	---
Molybdenum	ppm	ASTM D5185m 0	0	---	---
Manganese	ppm	ASTM D5185m	<1	---	---
Magnesium	ppm	ASTM D5185m 0	0	---	---
Calcium	ppm	ASTM D5185m 0	<1	---	---
Phosphorus	ppm	ASTM D5185m 800	655	---	---
Zinc	ppm	ASTM D5185m 0	<1	---	---
Sulfur	ppm	ASTM D5185m 0	19	---	---

CONTAMINANTS

	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m >25	<1	---	---
Sodium	ppm	ASTM D5185m	2	---	---
Potassium	ppm	ASTM D5185m >20	4	---	---
Water	%	ASTM D6304 >0.1	▲ 0.329	---	---
ppm Water	ppm	ASTM D6304 >1000	▲ 3290	---	---

FLUID CLEANLINESS

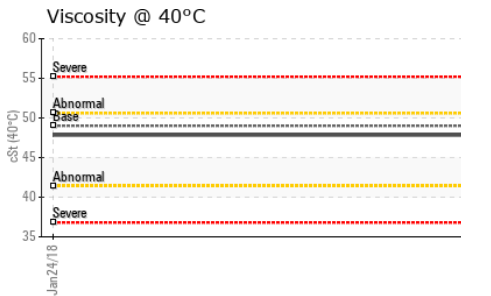
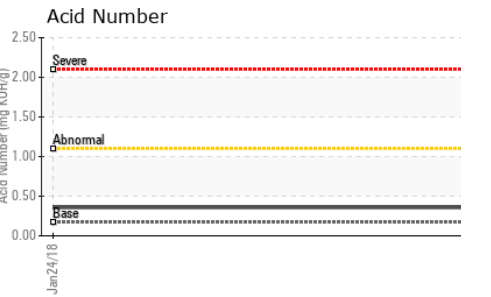
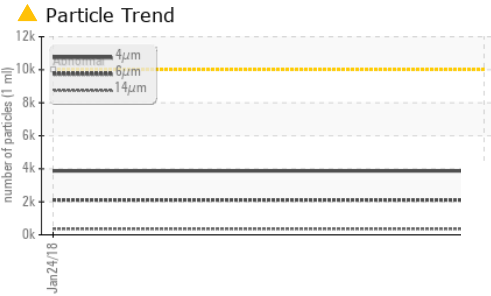
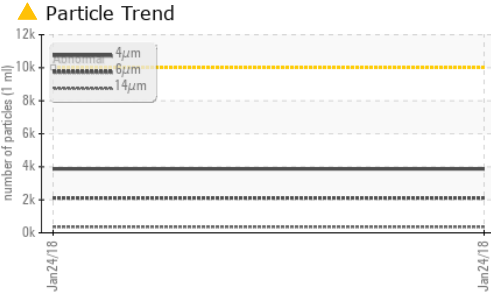
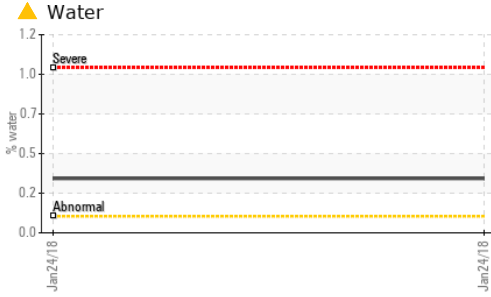
	method	limit/base	current	history 1	history 2
Particles >4µm	ASTM D7647	>10000	3871	---	---
Particles >6µm	ASTM D7647	>2500	2109	---	---
Particles >14µm	ASTM D7647	>320	▲ 359	---	---
Particles >21µm	ASTM D7647	>80	▲ 121	---	---
Particles >38µm	ASTM D7647	>20	18	---	---
Particles >71µm	ASTM D7647	>4	1	---	---
Oil Cleanliness	ISO 4406 (c)	>20/18/15	▲ 19/18/16	---	---

FLUID DEGRADATION

	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D8045 .170	0.357	---	---



OIL ANALYSIS REPORT

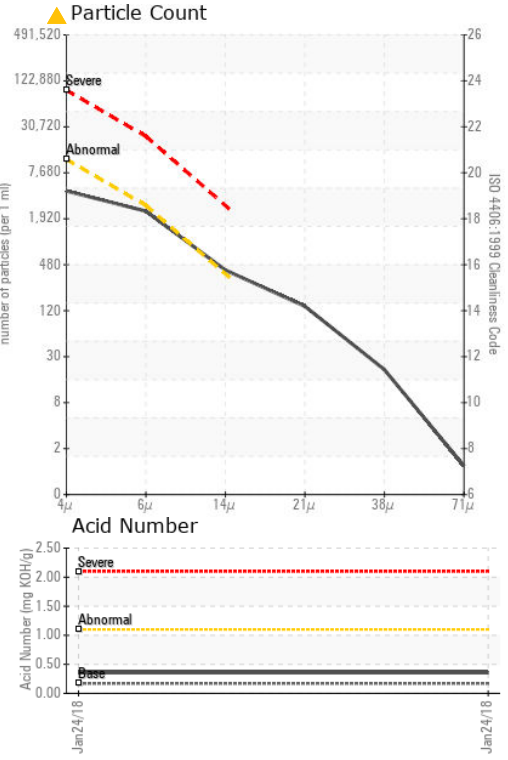
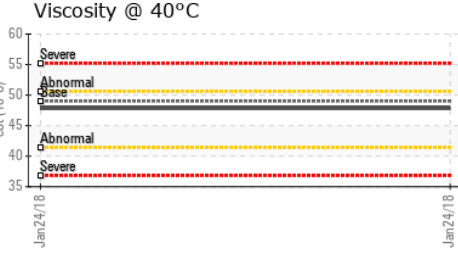
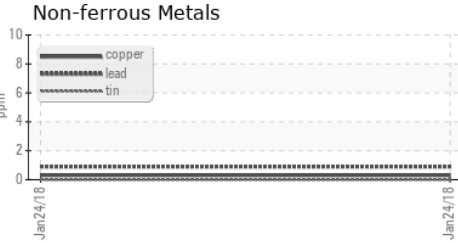
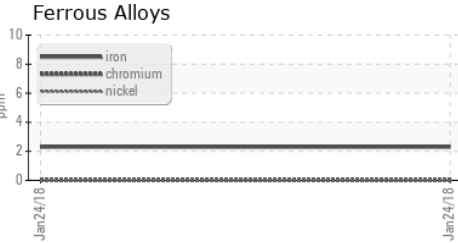


VISUAL	method	limit/base	current	history 1	history 2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	LIGHT	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	▲ LAYRD	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	0.1%	---	---
Free Water	scalar	*Visual		▲ 2.0	---	---

FLUID PROPERTIES	method	limit/base	current	history 1	history 2	
Visc @ 40°C	cSt	ASTM D445	49.01	47.84	---	---

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC12317641 **Received** : 22 Feb 2018
Lab Number : 04413728 **Diagnosed** : 23 Feb 2018
Unique Number : 8107432 **Diagnostician** : Doug Bogart
Test Package : IND 2 (Additional Tests: KF, PrtCount)

2290 CALLAHAN RD
 LONGVIEW, TX
 US 75607
 Contact: ROB WALLIN
 rwallin@westlake.com
 T: (903)242-7576
 F: (903)758-9521

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)