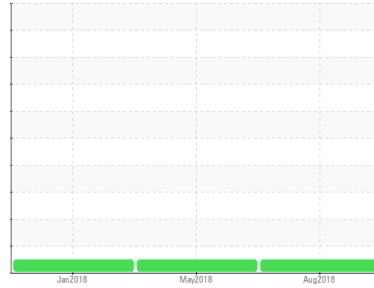




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
GARDNER DENVER C-9 (S/N D163121)

Component
Compressor

Fluid
GARDNER DENVER AEON 9000 TH (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present 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	history 1	history 2
Sample Number	Client Info		WCI2342646	WCI2333157	WCI2327639
Sample Date	Client Info		28 Aug 2018	25 May 2018	24 Jan 2018
Machine Age	hrs	Client Info	872	872	646
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			NORMAL	NORMAL	NORMAL

WEAR METALS

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

ADDITIVES

	method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	0	0	2
Barium	ppm	ASTM D5185m	<1	0	2
Molybdenum	ppm	ASTM D5185m	0	0	0
Manganese	ppm	ASTM D5185m	<1	<1	<1
Magnesium	ppm	ASTM D5185m	<1	0	1
Calcium	ppm	ASTM D5185m	0	0	2
Phosphorus	ppm	ASTM D5185m	794	764	716
Zinc	ppm	ASTM D5185m	1	0	3
Sulfur	ppm	ASTM D5185m	100	26	48

CONTAMINANTS

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

FLUID CLEANLINESS

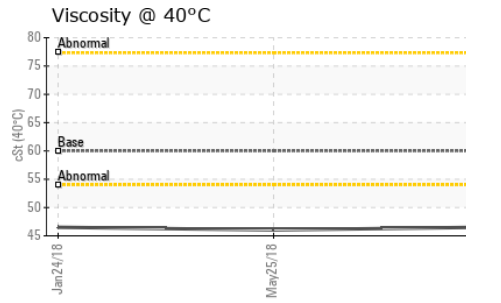
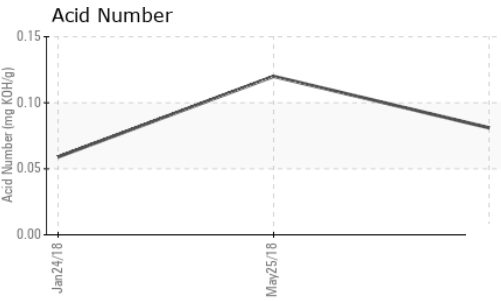
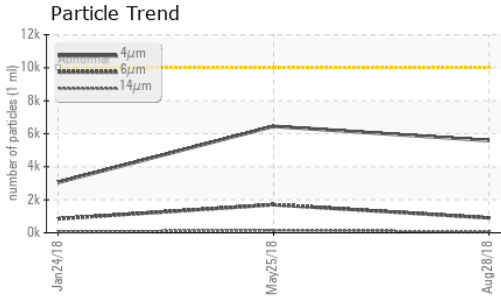
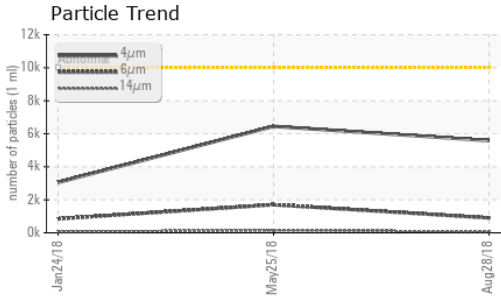
	method	limit/base	current	history 1	history 2
Particles >4µm	ASTM D7647	>10000	5580	6452	3051
Particles >6µm	ASTM D7647	>2500	901	1702	846
Particles >14µm	ASTM D7647	>320	77	144	71
Particles >21µm	ASTM D7647	>80	21	48	17
Particles >38µm	ASTM D7647	>20	0	2	2
Particles >71µm	ASTM D7647	>4	0	0	0
Oil Cleanliness	ISO 4406 (c)	>20/18/15	20/17/13	20/18/14	19/17/13

FLUID DEGRADATION

	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.081	0.120	0.059



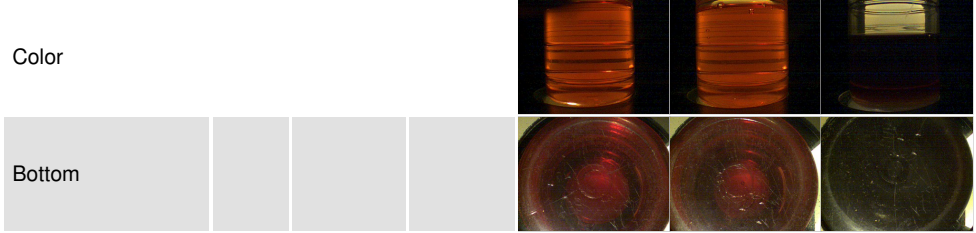
OIL ANALYSIS REPORT



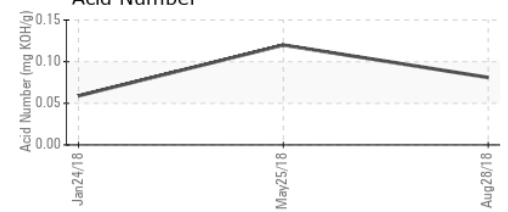
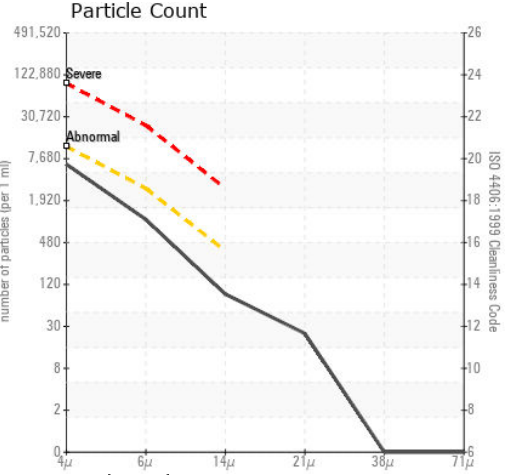
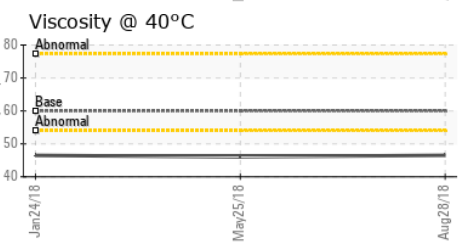
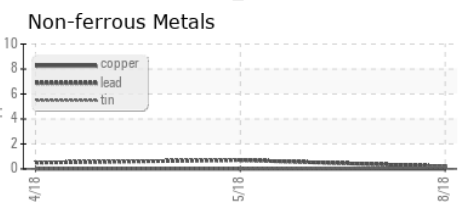
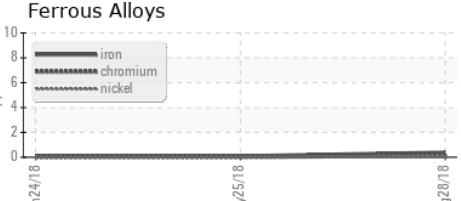
VISUAL	method	limit/base	current	history 1	history 2	
White Metal	scalar	*Visual	NONE	NONE	VLITE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

FLUID PROPERTIES	method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445 60.01	46.53	46.04	46.51

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



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC12342646 **Received** : 20 Sep 2018
Lab Number : **04555178** **Diagnosed** : 21 Sep 2018
Unique Number : 8339036 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: 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)