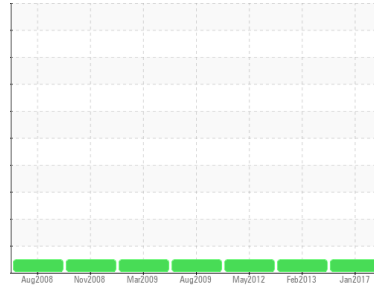




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**SQUIRE COGSWELL 048262 SOUTH UNIT**

Component  
**Pump**  
Fluid  
**{not provided} (15 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.

### 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>WCI2304338</b>	WCI2201281	WCI2201012
Sample Date	Client Info			<b>03 Jan 2017</b>	18 Feb 2013	08 May 2012
Machine Age	hrs	Client Info		<b>53612</b>	31878	27330
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed	Client Info			<b>Not Changed</b>	Not Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method			<b>NEG</b>	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	<b>&lt;1</b>	<1	<1
Chromium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>7	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185m	>12	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>30	<b>0</b>	<1	<1
Tin	ppm	ASTM D5185m	>9	<b>0</b>	<1	0
Antimony	ppm	ASTM D5185m		<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

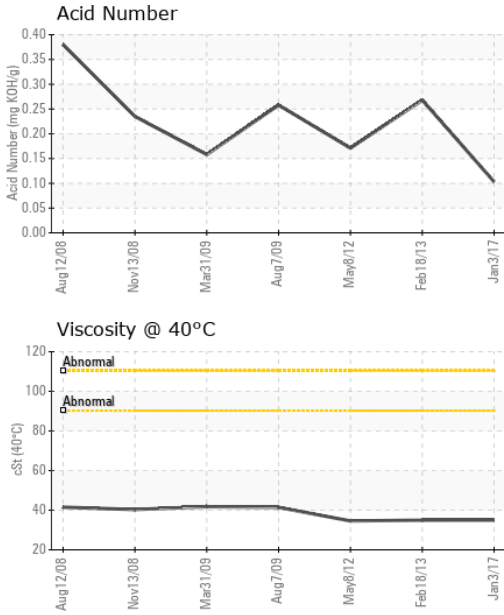
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>&lt;1</b>	2	<1
Barium	ppm	ASTM D5185m		<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Calcium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Phosphorus	ppm	ASTM D5185m		<b>1075</b>	928	991
Zinc	ppm	ASTM D5185m		<b>2</b>	3	2
Sulfur	ppm	ASTM D5185m		<b>96</b>	45	66

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	<b>9</b>	13	22
Sodium	ppm	ASTM D5185m		<b>4</b>	3	3
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	7	0

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.103</b>	0.268	0.171



# OIL ANALYSIS REPORT



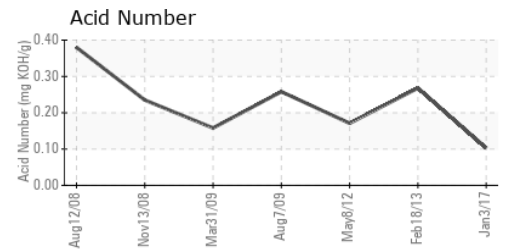
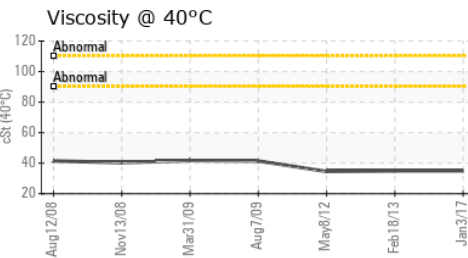
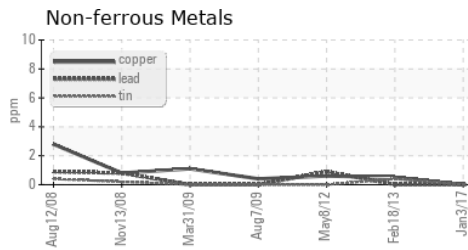
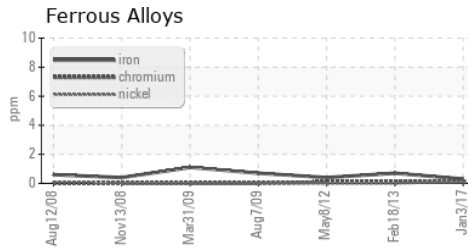
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	34.98	34.95	34.58

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image
Bottom				no image	no image

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC12304338  
**Lab Number** : 04140905  
**Unique Number** : 7664291  
**Test Package** : IND 2

**Received** : 12 Jan 2017  
**Diagnosed** : 16 Jan 2017  
**Diagnostician** : Jonathan Hester

**PRINSCO - PRINSBURG**  
 PO BOX 265  
 PRINSBURG, MN  
 US 56281  
 Contact: KYLE SPORTEL  
 kyles@prinsco.com  
 T: (320)978-4116  
 F:

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)