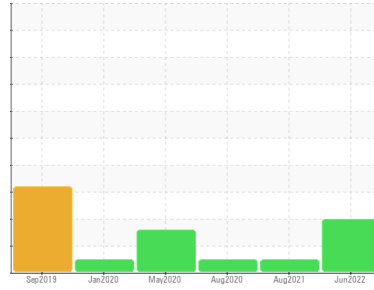




# PROBLEM SUMMARY

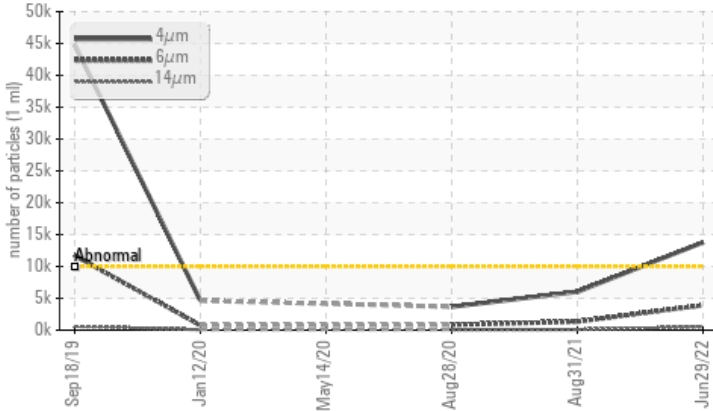
Sample Rating Trend



Machine Id  
**INGERSOLL RAND SSR-UP6-30-125 100 C-1 (S/N CBV231518)**  
 Component  
**Compressor**  
 Fluid  
**INGERSOLL-RAND SSR ULTRA COOLANT (--- GAL)**

## COMPONENT CONDITION SUMMARY

▲ Particle Trend



## RECOMMENDATION

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status			ATTENTION	NORMAL	NORMAL
Particles >4µm	ASTM D7647	>10000	▲ <b>13788</b>	6028	3678
Particles >6µm	ASTM D7647	>2500	▲ <b>3904</b>	1335	832
Particles >14µm	ASTM D7647	>320	▲ <b>503</b>	90	66
Particles >21µm	ASTM D7647	>80	▲ <b>126</b>	21	24
Oil Cleanliness	ISO 4406 (c)	>20/18/15	▲ <b>21/19/16</b>	20/18/14	19/17/13

Customer Id: WESLONWC  
 Sample No.: WC0710520  
 Lab Number: 05585949  
 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 Fluid	---	---	?	Oil and filter change at the time of sampling has been noted.
Change Filter	---	---	?	Oil and filter change at the time of sampling has been noted.

## HISTORICAL DIAGNOSIS

### 31 Aug 2021 Diag: Don Baldrige

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



### 28 Aug 2020 Diag: Doug Bogart

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



### 14 May 2020 Diag: Don Baldrige

WATER



We advise that you follow the water drain-off procedure for this component. We recommend you service the filters on this component. Resample at the next service interval to monitor. There is too much water present in this sample to perform a particle count. All component wear rates are normal. There is a moderate concentration of water present in the oil. The AN level is acceptable for this fluid.

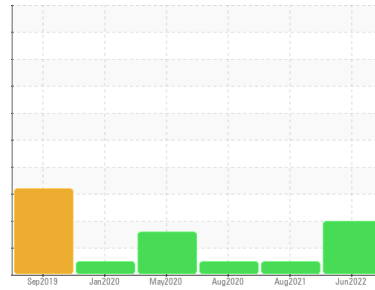
view report





# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id  
**INGERSOLL RAND SSR-UP6-30-125 100 C-1 (S/N CBV231518)**

Component

**Compressor**

Fluid

**INGERSOLL-RAND SSR ULTRA COOLANT (--- GAL)**

## DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is a moderate 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		<b>WC0710520</b>	WC0556590	WC12335368
Sample Date	Client Info		<b>29 Jun 2022</b>	31 Aug 2021	28 Aug 2020
Machine Age	hrs	Client Info	<b>35161</b>	30806	22702
Oil Age	hrs	Client Info	<b>8000</b>	0	0
Oil Changed	Client Info		<b>Changed</b>	Not Changd	Not Changd
Sample Status			<b>ATTENTION</b>	NORMAL	NORMAL

## WEAR METALS

	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m >50	<b>12</b>	3	2
Chromium	ppm	ASTM D5185m >5	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	<b>&lt;1</b>	<1	0
Aluminum	ppm	ASTM D5185m >15	<b>&lt;1</b>	0	0
Lead	ppm	ASTM D5185m >65	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185m >65	<b>4</b>	3	4
Tin	ppm	ASTM D5185m >10	<b>&lt;1</b>	1	<1
Antimony	ppm	ASTM D5185m	<b>---</b>	<1	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0

## ADDITIVES

	method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m 0	<b>6</b>	4	3
Barium	ppm	ASTM D5185m 500	<b>680</b>	741	587
Molybdenum	ppm	ASTM D5185m 0	<b>&lt;1</b>	<1	0
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Magnesium	ppm	ASTM D5185m 0	<b>&lt;1</b>	1	0
Calcium	ppm	ASTM D5185m 0	<b>9</b>	3	6
Phosphorus	ppm	ASTM D5185m 20	<b>11</b>	11	3
Zinc	ppm	ASTM D5185m 0	<b>62</b>	25	41
Sulfur	ppm	ASTM D5185m 200	<b>480</b>	300	288

## CONTAMINANTS

	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m >35	<b>2</b>	0	<1
Sodium	ppm	ASTM D5185m	<b>32</b>	22	26
Potassium	ppm	ASTM D5185m >20	<b>1</b>	2	2
Water	%	ASTM D6304 >0.1	<b>---</b>	---	---
ppm Water	ppm	ASTM D6304 >1000	<b>---</b>	---	---

## FLUID CLEANLINESS

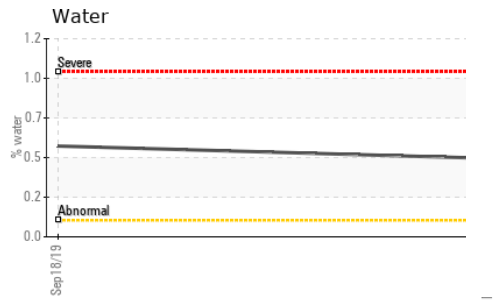
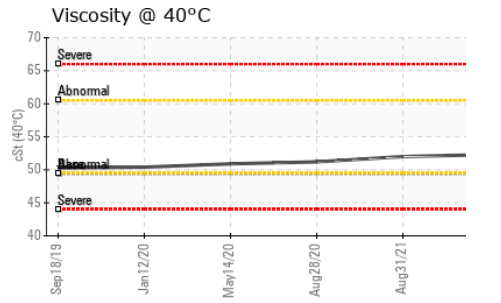
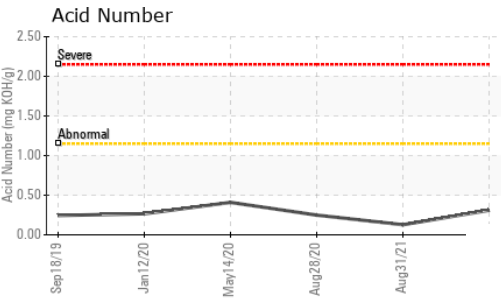
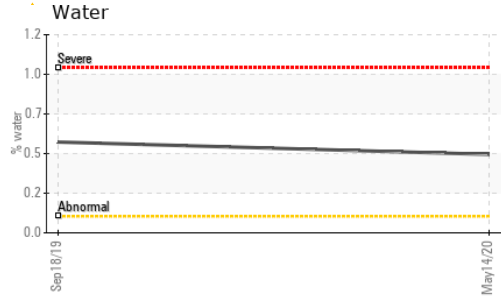
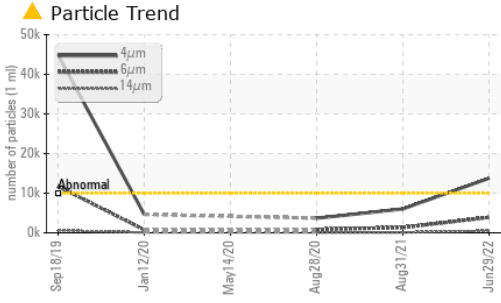
	method	limit/base	current	history 1	history 2
Particles >4µm	ASTM D7647	>10000	<b>▲ 13788</b>	6028	3678
Particles >6µm	ASTM D7647	>2500	<b>▲ 3904</b>	1335	832
Particles >14µm	ASTM D7647	>320	<b>▲ 503</b>	90	66
Particles >21µm	ASTM D7647	>80	<b>▲ 126</b>	21	24
Particles >38µm	ASTM D7647	>20	<b>1</b>	0	2
Particles >71µm	ASTM D7647	>4	<b>0</b>	0	0
Oil Cleanliness	ISO 4406 (c)	>20/18/15	<b>▲ 21/19/16</b>	20/18/14	19/17/13

## FLUID DEGRADATION

	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.31</b>	0.127	0.249



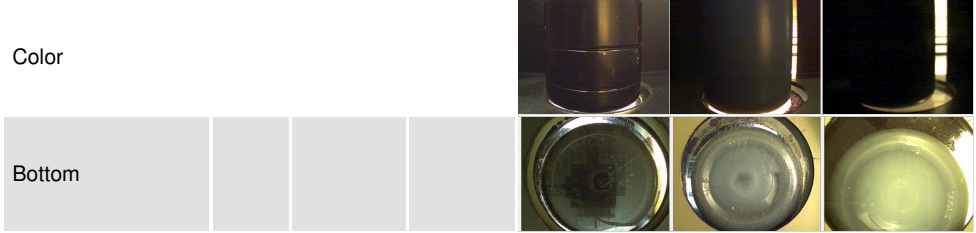
# OIL ANALYSIS REPORT



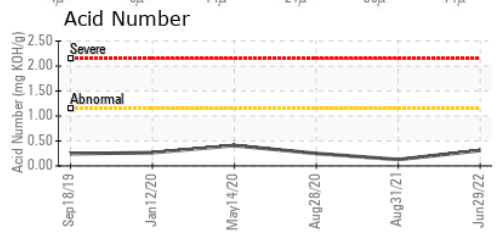
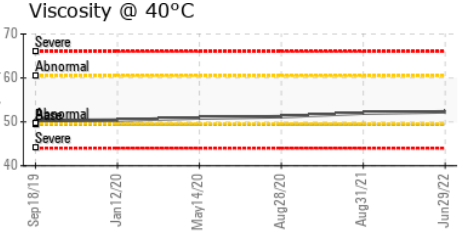
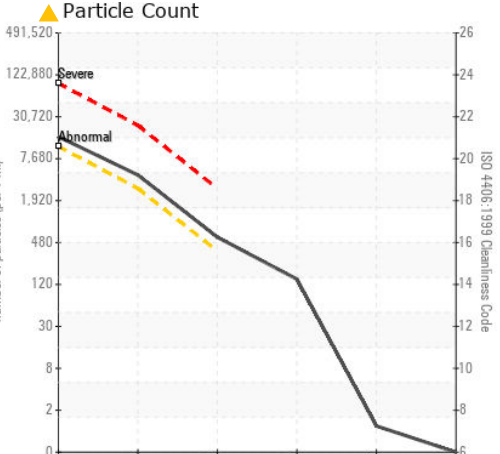
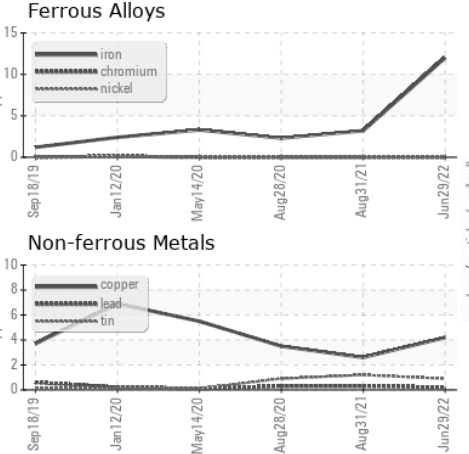
VISUAL	method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445	49.4	52.3	52.0

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.** : WC0710520 **Received** : 07 Jul 2022  
**Lab Number** : 05585949 **Diagnosed** : 08 Jul 2022  
**Unique Number** : 10045396 **Diagnostician** : Doug Bogart  
**Test Package** : IND 2 ( Additional Tests: KF, PrtCount )

**WESTLAKE CHEMICAL**  
 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)