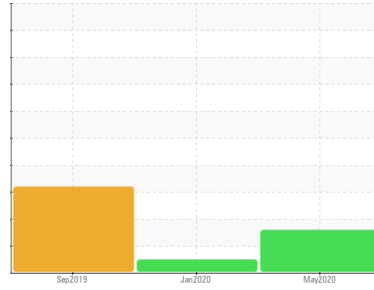




PROBLEM SUMMARY

Machine Id
INGERSOLL RAND SSR-UP6-30-125 100 C-1 (S/N CBV231518)
 Component
Compressor
 Fluid
COMPRESSOR OIL (PAG) ISO 46 (--- GAL)

Sample Rating Trend

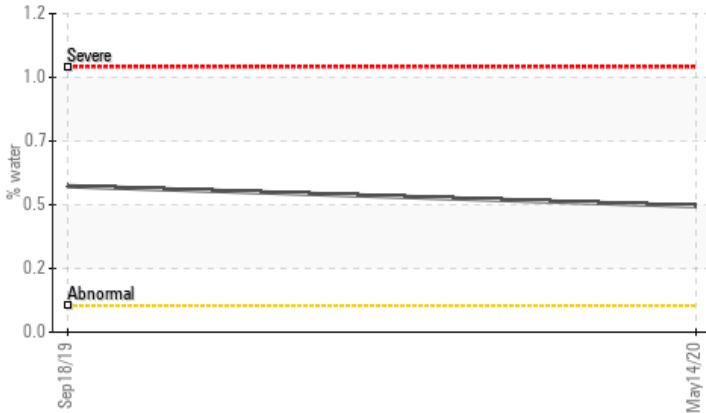


WATER



COMPONENT CONDITION SUMMARY

▲ Water



RECOMMENDATION

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.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	NORMAL	ABNORMAL
Water	%	ASTM D6304	>0.1	▲ 0.475	---	▲ 0.550
ppm Water	ppm	ASTM D6304	>1000	▲ 4750	---	▲ 5500

Customer Id: WESLONWC
 Sample No.: WC0390912
 Lab Number: 04981693
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

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

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter	MISSED	Sep 09 2020	?	We recommend you service the filters on this component.
Water Drain-off	MISSED	Sep 09 2020	?	We advise that you follow the water drain-off procedure for this component.

HISTORICAL DIAGNOSIS

12 Jan 2020 Diag: Doug Bogart

NORMAL



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

view report



18 Sep 2019 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. All component wear rates are normal. There is a high amount of particulates present in the oil. 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

WATER



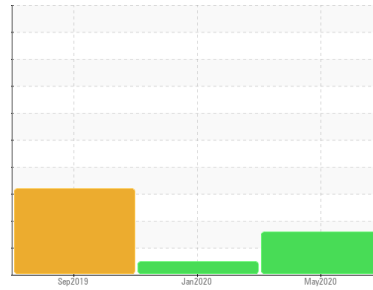
Machine Id
INGERSOLL RAND SSR-UP6-30-125 100 C-1 (S/N CBV231518)

Component

Compressor

Fluid

COMPRESSOR OIL (PAG) ISO 46 (--- GAL)



DIAGNOSIS

Recommendation

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.

Wear

All component wear rates are normal.

Contamination

There is a moderate concentration of water present in the oil.

Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORMATION

	method	limit/base	current	history 1	history 2
Sample Number	Client Info		WC0390912	WC0390904	WCI2335370
Sample Date	Client Info		14 May 2020	12 Jan 2020	18 Sep 2019
Machine Age	hrs	Client Info	20090	16848	14352
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			ABNORMAL	NORMAL	ABNORMAL

WEAR METALS

	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m >50	3	2	1
Chromium	ppm	ASTM D5185m >5	0	<1	0
Nickel	ppm	ASTM D5185m	<1	0	0
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >15	0	<1	0
Lead	ppm	ASTM D5185m >65	<1	<1	<1
Copper	ppm	ASTM D5185m >65	6	7	4
Tin	ppm	ASTM D5185m >10	<1	<1	<1
Antimony	ppm	ASTM D5185m	0	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 2	<1	3	4
Barium	ppm	ASTM D5185m 525	458	560	532
Molybdenum	ppm	ASTM D5185m 10	0	0	0
Manganese	ppm	ASTM D5185m	<1	<1	<1
Magnesium	ppm	ASTM D5185m 5	<1	2	0
Calcium	ppm	ASTM D5185m 10	6	9	4
Phosphorus	ppm	ASTM D5185m 250	3	4	<1
Zinc	ppm	ASTM D5185m 100	70	55	49
Sulfur	ppm	ASTM D5185m 400	269	547	207

CONTAMINANTS

	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m >35	1	1	2
Sodium	ppm	ASTM D5185m	44	33	23
Potassium	ppm	ASTM D5185m >20	3	2	3
Water	%	ASTM D6304 >0.1	▲ 0.475	---	▲ 0.550
ppm Water	ppm	ASTM D6304 >1000	▲ 4750	---	▲ 5500

FLUID CLEANLINESS

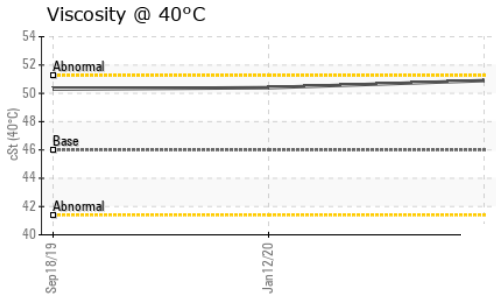
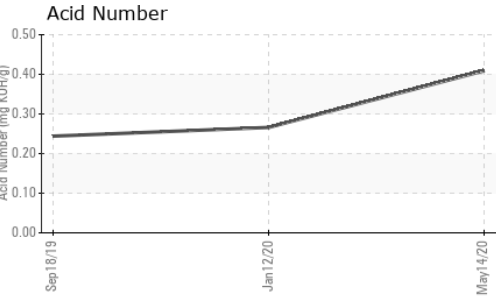
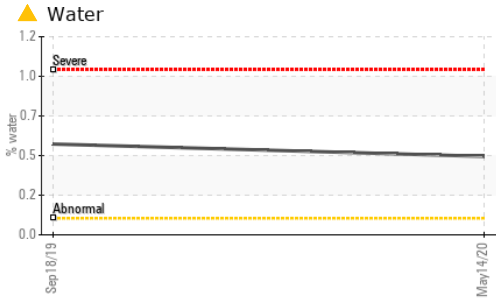
	method	limit/base	current	history 1	history 2
Particles >4µm	ASTM D7647	>10000	---	4624	▲ 44863
Particles >6µm	ASTM D7647	>2500	---	764	▲ 11710
Particles >14µm	ASTM D7647	>320	---	62	▲ 593
Particles >21µm	ASTM D7647	>80	---	18	▲ 109
Particles >38µm	ASTM D7647	>20	---	1	8
Particles >71µm	ASTM D7647	>4	---	0	4
Oil Cleanliness	ISO 4406 (c)	>20/18/15	---	19/17/13	▲ 23/21/16

FLUID DEGRADATION

	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.409	0.266	0.244



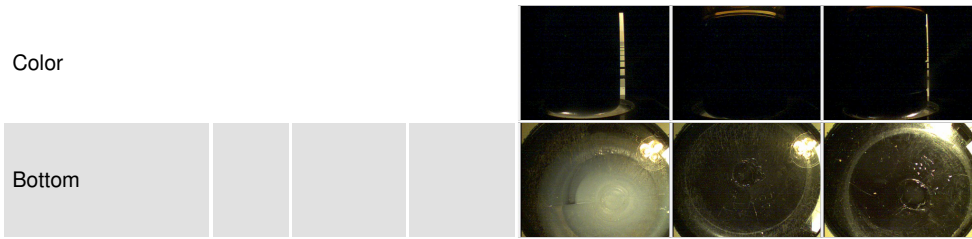
OIL ANALYSIS REPORT



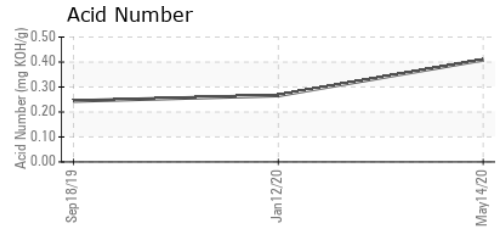
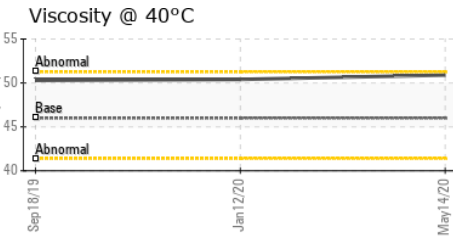
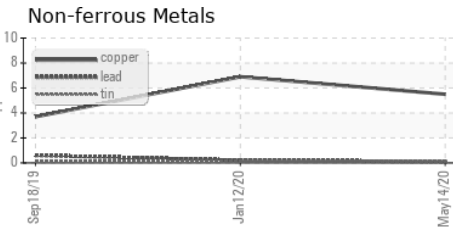
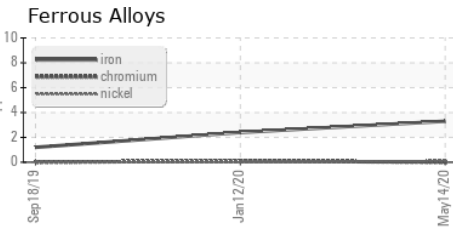
VISUAL	method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	0.2%	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445 46	50.9	50.4	50.3

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. : WC0390912 **Received** : 20 May 2020
Lab Number : 04981693 **Diagnosed** : 21 May 2020
Unique Number : 9036840 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: KF, 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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