



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
INGERSOLL RAND COMPRESSOR 5 (S/N EN0135U06243)
 Component
Compressor
 Fluid
INGERSOLL-RAND SSR ULTRA COOLANT (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WCI2344727	WCI2344707	WCI2344722
Sample Date		Client Info		04 Dec 2021	24 Jul 2021	05 Apr 2021
Machine Age	hrs	Client Info		74818	72873	71262
Oil Age	hrs	Client Info		1397	7126	5586
Filter Age	hrs	Client Info		1632	1651	2031
Oil Changed		Client Info		N/A	Not Changd	N/A
Filter Changed		Client Info		N/A	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	3	5	4
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	0	<1	4
Lead	ppm	ASTM D5185m	>25	<1	1	<1
Copper	ppm	ASTM D5185m	>50	8	11	8
Tin	ppm	ASTM D5185m	>15	2	1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

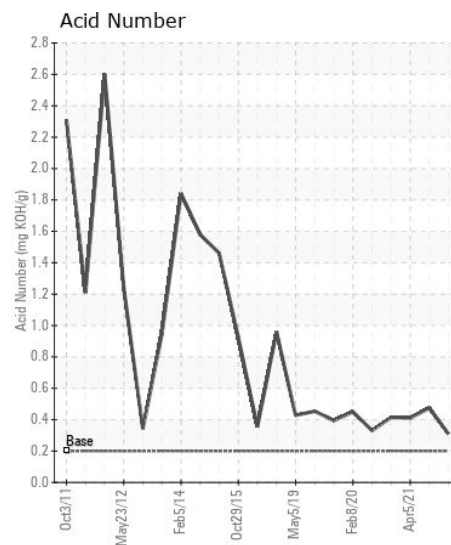
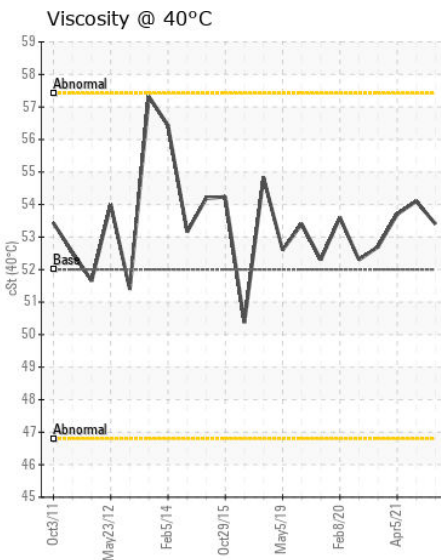
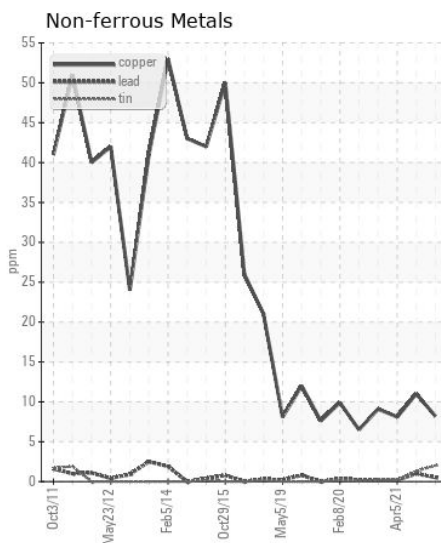
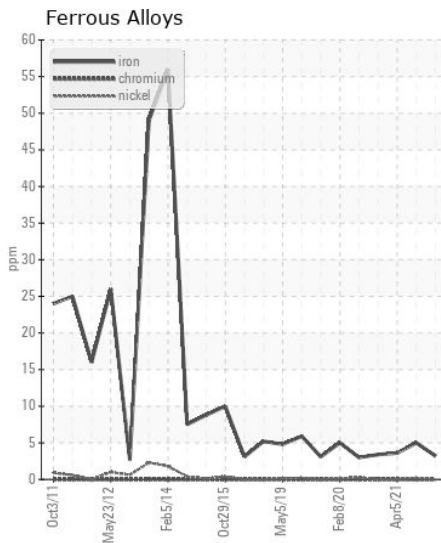
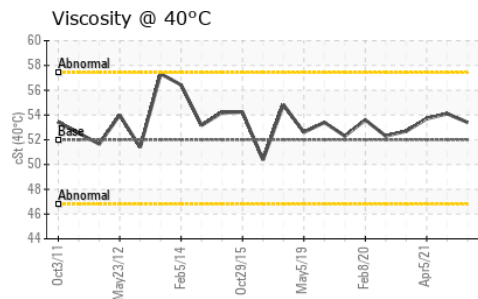
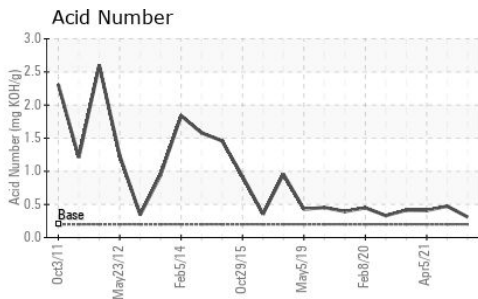
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<1	<1	0
Potassium	ppm	ASTM D5185m	>20	3	7	2
Water		WC Method	>0.1	NEG	NEG	NEG
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

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		25	41	34
Boron	ppm	ASTM D5185m		2	4	2
Barium	ppm	ASTM D5185m	556	694	545	642
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		3	7	2
Calcium	ppm	ASTM D5185m	242	5	5	4
Phosphorus	ppm	ASTM D5185m	0	7	11	3
Zinc	ppm	ASTM D5185m	0	45	63	48
Sulfur	ppm	ASTM D5185m	306	295	259	177
Acid Number (AN)	mg KOH/g	ASTM D8045	0.2	0.31	0.474	0.411
Visc @ 40°C	cSt	ASTM D445	52	53.4	54.1	53.7



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : WC12344727

Lab Number : 05450237

Unique Number : 9824432

Test Package : IND 2

Received : 24 Jan 2022

Tested : 25 Jan 2022

Diagnosed : 25 Jan 2022 - Angela Borella

ARMSTRONG SERVICE ASI

100 HERO DR

AMSTERDAM, NY

US 12010

Contact: JEFF TOLEDO

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T:

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)