



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
INGERSOLL RAND COMPRESSOR 3 (S/N VNN1586U17114)

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		WCI2344730	WCI2344726	WCI2344708
Sample Date		Client Info		05 Apr 2021	08 Feb 2020	05 Aug 2019
Machine Age	hrs	Client Info		6163	4095	3304
Oil Age	hrs	Client Info		6163	4095	3304
Filter Age	hrs	Client Info		2002	1967	1176
Oil Changed		Client Info		N/A	N/A	Not Changd
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	1	1	1
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		0	0	0
Aluminum	ppm	ASTM D5185m	>25	4	0	0
Lead	ppm	ASTM D5185m	>25	<1	<1	0
Copper	ppm	ASTM D5185m	>50	<1	<1	<1
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

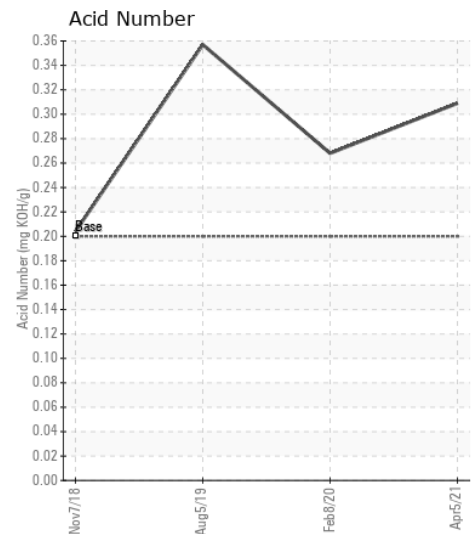
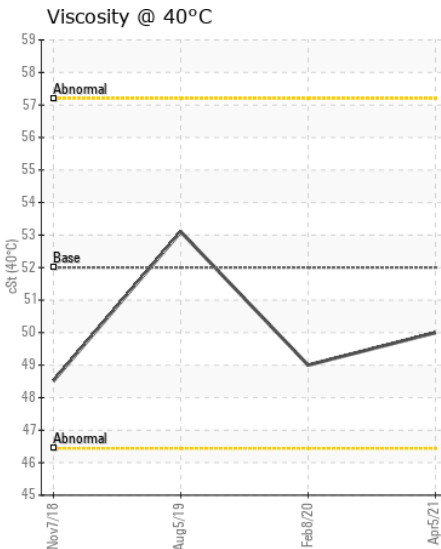
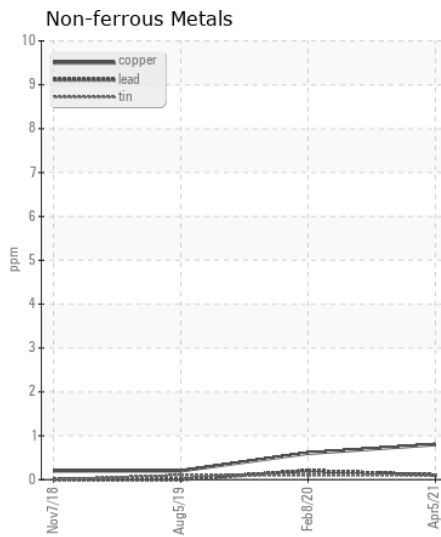
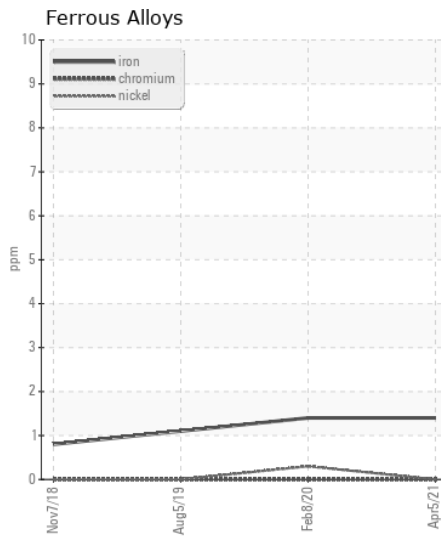
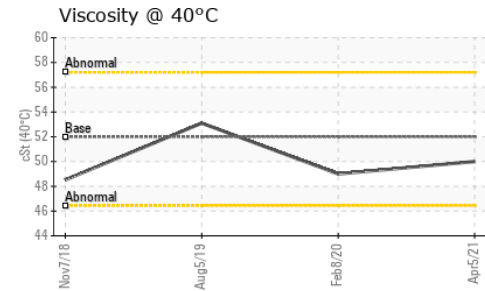
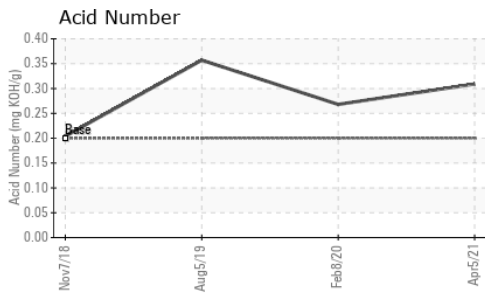
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	0	<1	<1
Potassium	ppm	ASTM D5185m	>20	8	8	9
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	0.2%

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		29	29	21
Boron	ppm	ASTM D5185m		2	1	2
Barium	ppm	ASTM D5185m	556	492	524	434
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		<1	1	<1
Calcium	ppm	ASTM D5185m	242	9	11	10
Phosphorus	ppm	ASTM D5185m	0	79	85	75
Zinc	ppm	ASTM D5185m	0	15	4	6
Sulfur	ppm	ASTM D5185m	306	293	389	441
Acid Number (AN)	mg KOH/g	ASTM D8045	0.2	0.309	0.268	0.357
Visc @ 40°C	cSt	ASTM D445	52	50.0	49.0	53.1



Certificate L2367

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

Sample No. : WC12344730

Lab Number : 05226734

Unique Number : 9460641

Test Package : IND 2

Received : 12 Apr 2021

Tested : 13 Apr 2021

Diagnosed : 14 Apr 2021 - Don Baldrige

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)