IND II WEAR CHECK

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
INGERSOLL RAND 4 AIR COMPRESSOR (S/N FF2383U02287)
Component
Compressor
Fluid
INGERSOLL-RAND SSR ULTRA COOLANT (15 GAL)

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

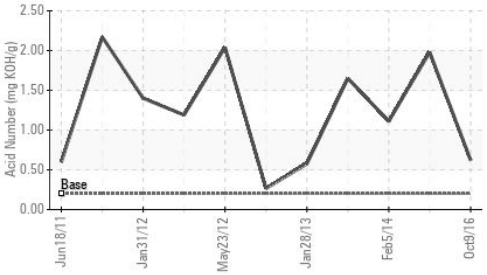
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WCI2295516	WCI2203311	WCI2203263
Sample Date		Client Info		09 Oct 2016	13 May 2015	05 Feb 2014
Machine Age	hrs	Client Info		55400	45099	40709
Oil Age	hrs	Client Info		0	5000	7125
Filter Age	hrs	Client Info		0	1000	1170
Oil Changed		Client Info		Not Changd	N/A	Not Changd
Filter Changed		Client Info		Not Changd	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>50	2	5	4
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		<1	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	0
Lead	ppm	ASTM D5185m	>25	0	<1	1
Copper	ppm	ASTM D5185m	>50	6	26	21
Tin	ppm	ASTM D5185m	>15	6	<1	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	<1	3	2
Potassium	ppm	ASTM D5185m	>20	6	6	0
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
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
Sodium	ppm	ASTM D5185m		36	43	26
Boron	ppm	ASTM D5185m		4	4	1
Barium	ppm	ASTM D5185m	556	433	381	545
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		1	<1	0
Magnesium	ppm	ASTM D5185m		0	0	<1
Calcium	ppm	ASTM D5185m	242	0	3	4
Phosphorus	ppm	ASTM D5185m	0	0	0	3
Zinc	ppm	ASTM D5185m	0	6	40	42
Sulfur	ppm	ASTM D5185m	306	194	669	248
Acid Number (AN)	mg KOH/g	ASTM D8045	0.2	0.623	1.98	1.11
Visc @ 40°C	cSt	ASTM D445	52	53.77	53.87	52.69

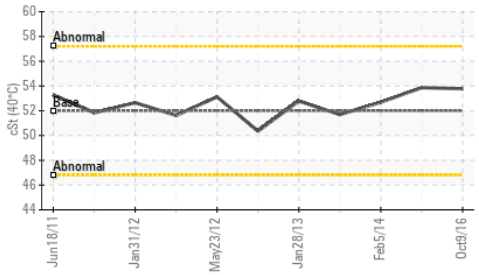
Report Id: ARMAMS [WUSCAR] 04095154 (Generated: 05/01/2024 14:51:38) Rev: 1

Contact/Location: Garry Mosher - ARMAMS

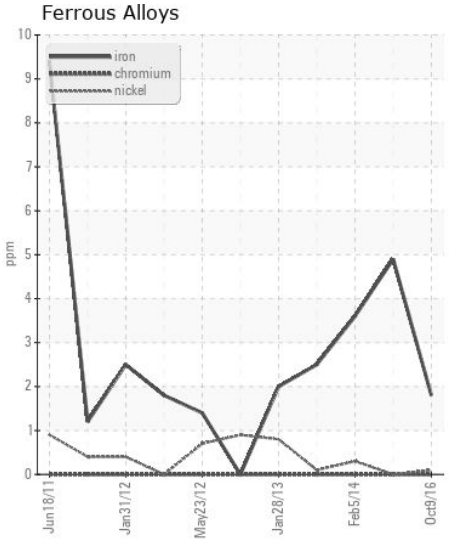
Acid Number



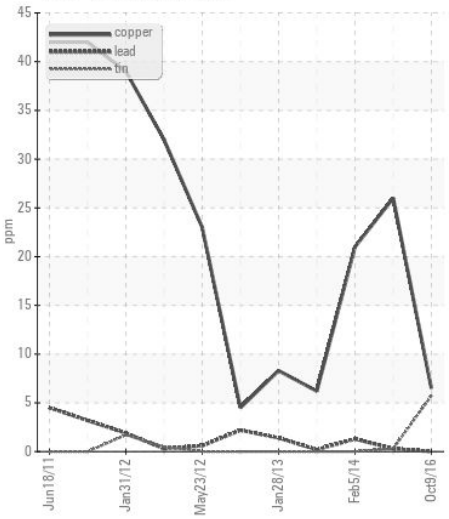
Viscosity @ 40°C



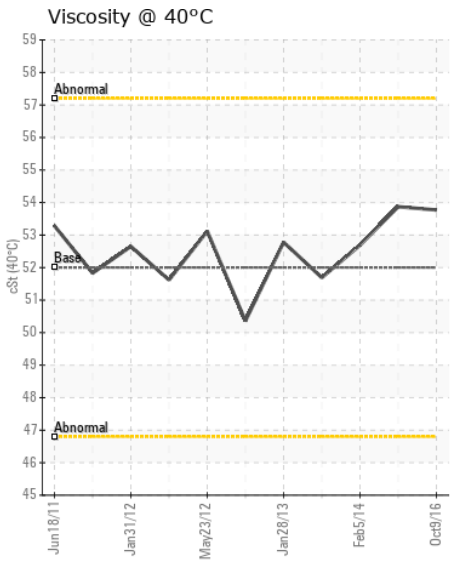
Ferrous Alloys



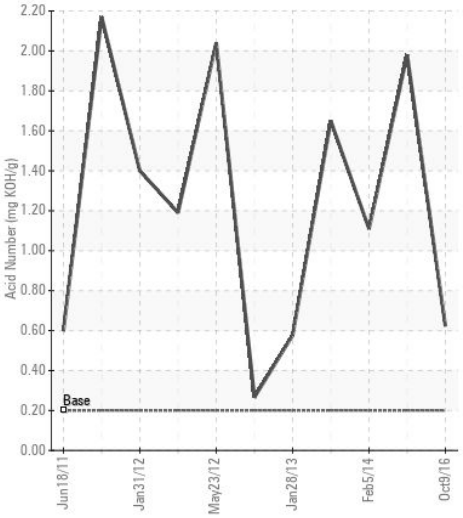
Non-ferrous Metals



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WCI2295516
Lab Number : 04095154
Unique Number : 7580806
Test Package : IND 2

Received : 31 Oct 2016
Tested : 01 Nov 2016
Diagnosed : 02 Nov 2016 - Don Baldridge

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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