



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
INGERSOLL RAND CALHOUN CENTER 2
 Component
Compressor
 Fluid
SULLAIR SULLUBE (20 GAL)

RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		CCSI2014270	CCSI2006380	---
Sample Date		Client Info		14 Mar 2024	08 Sep 2022	---
Machine Age	hrs	Client Info		85559	82242	---
Oil Age	hrs	Client Info		5000	300	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

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

CONTAMINATION

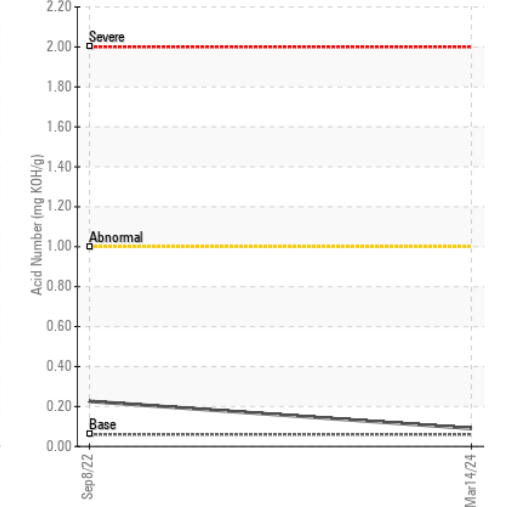
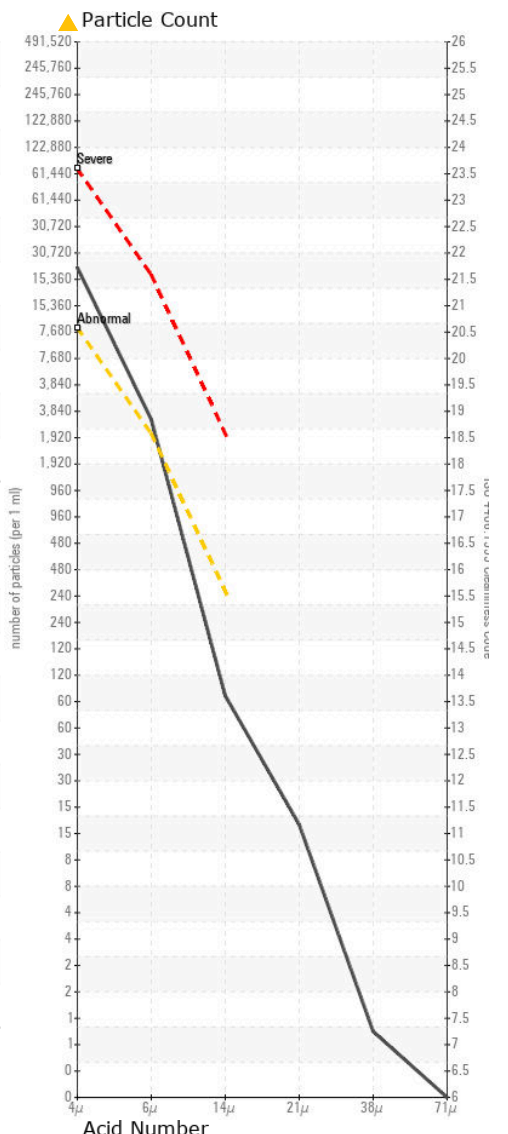
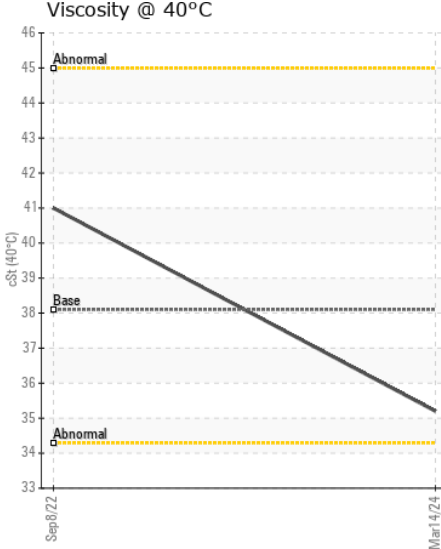
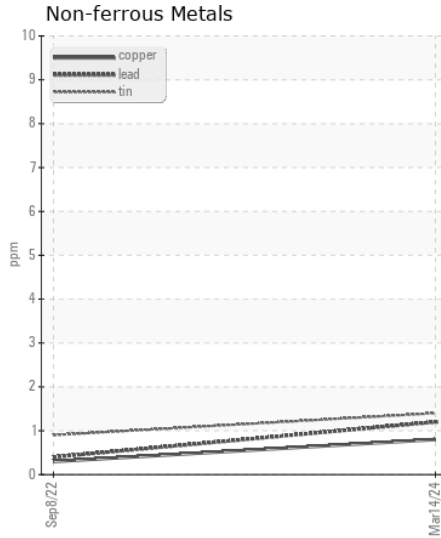
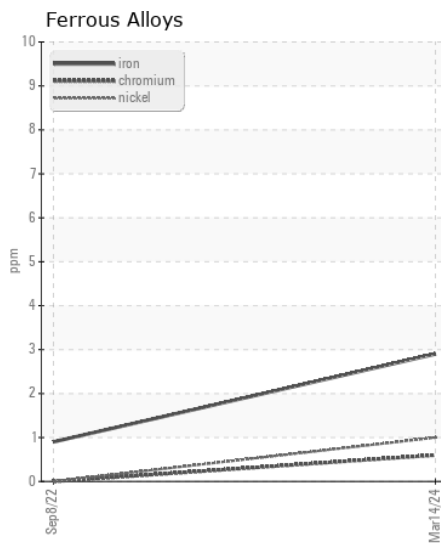
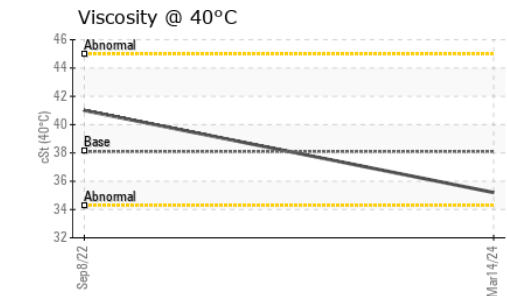
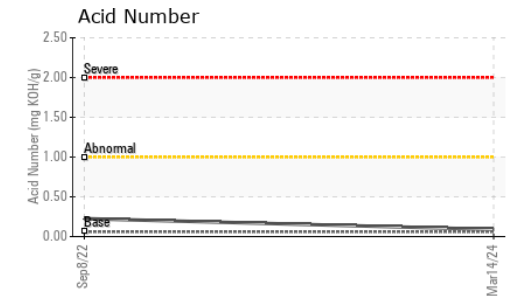
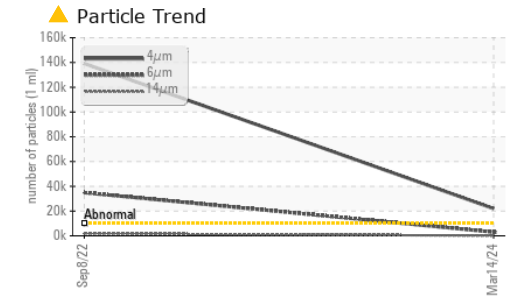
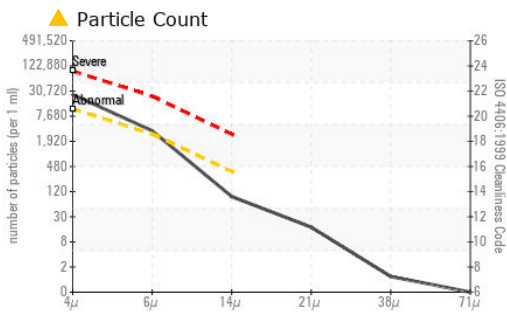
There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>25	1	2	---
Potassium	ppm	ASTM D5185m	>20	3	2	---
Water		WC Method	>0.1	NEG	NEG	---
Particles >4µm		ASTM D7647	>10000	▲ 22008	▲ 139181	---
Particles >6µm		ASTM D7647	>2500	▲ 3006	▲ 34892	---
Particles >14µm		ASTM D7647	>320	81	▲ 1858	---
Particles >21µm		ASTM D7647	>80	15	▲ 417	---
Particles >38µm		ASTM D7647	>20	1	12	---
Particles >71µm		ASTM D7647	>4	0	0	---
Oil Cleanliness		ISO 4406 (c)	>20/18/15	▲ 22/19/14	▲ 24/22/18	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	LIGHT	---
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	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		19	10	---
Boron	ppm	ASTM D5185m		0	2	---
Barium	ppm	ASTM D5185m	745	617	561	---
Molybdenum	ppm	ASTM D5185m	0.0	<1	<1	---
Manganese	ppm	ASTM D5185m		<1	0	---
Magnesium	ppm	ASTM D5185m	0.0	<1	0	---
Calcium	ppm	ASTM D5185m	1	6	5	---
Phosphorus	ppm	ASTM D5185m	3	4	2	---
Zinc	ppm	ASTM D5185m	0.1	2	1	---
Sulfur	ppm	ASTM D5185m	240	267	295	---
Acid Number (AN)	mg KOH/g	ASTM D8045	.06	0.09	0.226	---
Visc @ 40°C	cSt	ASTM D445	38.1	35.2	41.0	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : CCSI2014270 **Received** : 12 Apr 2024
Lab Number : 06147319 **Tested** : 15 Apr 2024
Unique Number : 10977397 **Diagnosed** : 16 Apr 2024 - Don Baldrige
Test Package : IND 2 (Additional Tests: 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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