



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
INGERSOLL RAND CALHOUN CENTER 3
 Component
Compressor
 Fluid
INGERSOLL-RAND SSR ULTRA COOLANT (20 GAL)

RECOMMENDATION

We advise that you follow the water drain-off procedure for this component. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		CCSI2014993	CCSI2014311	---
Sample Date		Client Info		07 Jul 2024	14 Mar 2024	---
Machine Age	hrs	Client Info		75303	74777	---
Oil Age	hrs	Client Info		6000	6000	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Chngd	Not Chngd	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

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

CONTAMINATION

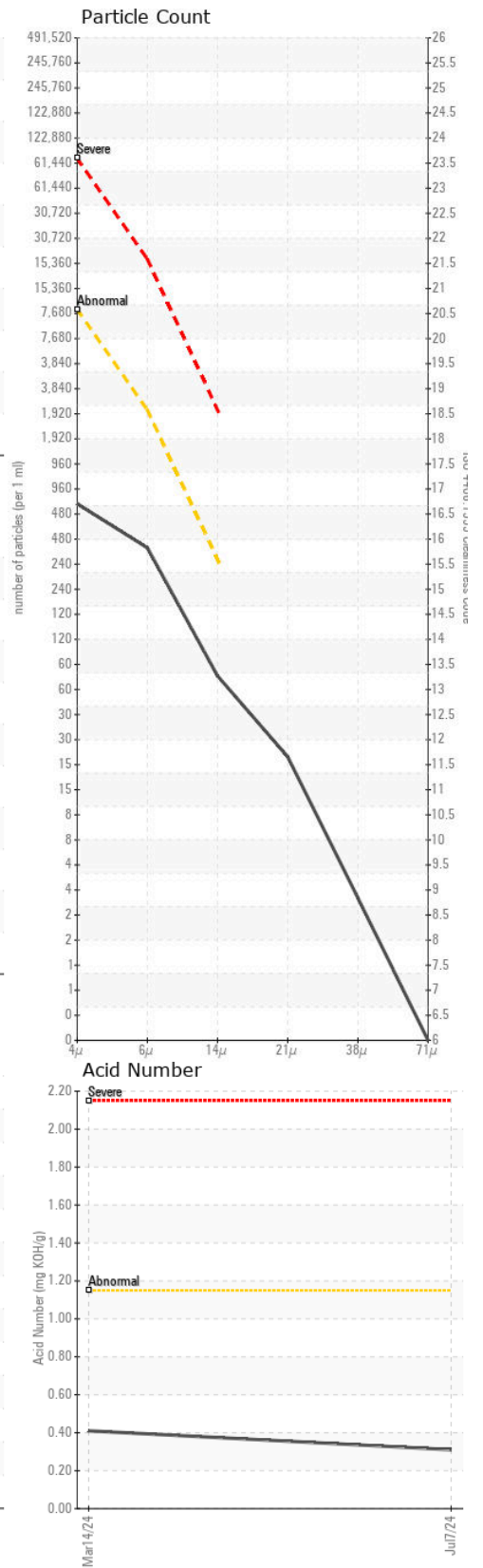
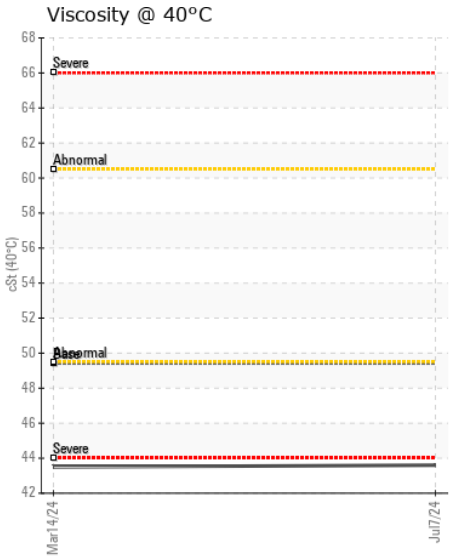
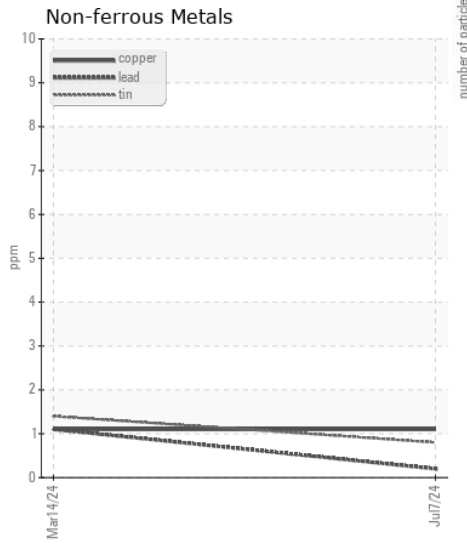
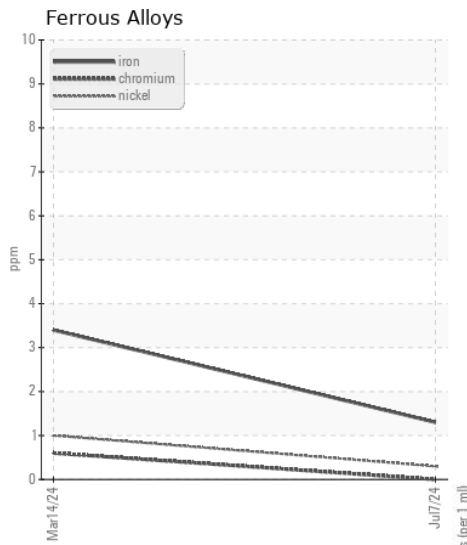
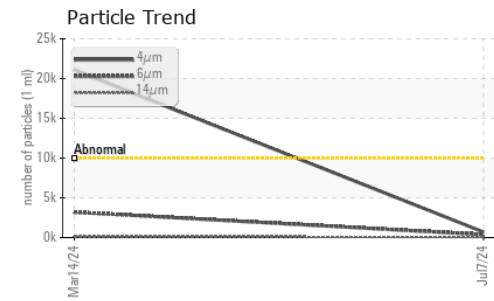
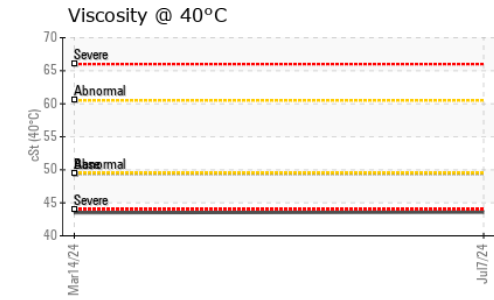
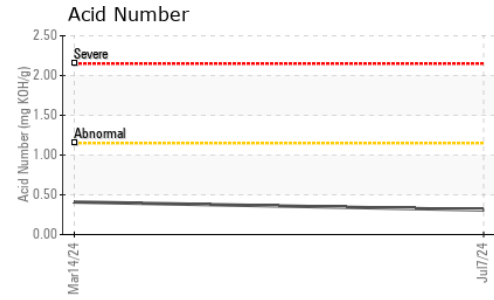
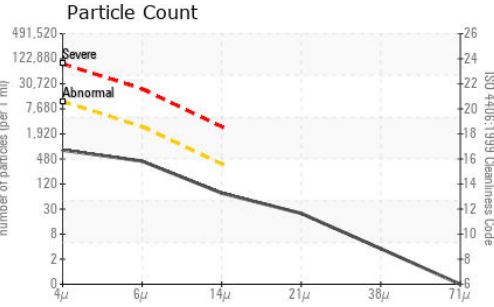
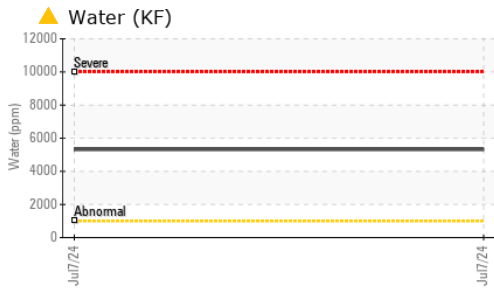
There is a moderate concentration of water present in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>25	<1	2	---
Potassium	ppm	ASTM D5185m	>20	10	4	---
Water	%	ASTM D6304	>0.1	▲ 0.532	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ 5320	---	---
Particles >4µm		ASTM D7647	>10000	687	▲ 21067	---
Particles >6µm		ASTM D7647	>2500	374	▲ 3200	---
Particles >14µm		ASTM D7647	>320	64	86	---
Particles >21µm		ASTM D7647	>80	21	15	---
Particles >38µm		ASTM D7647	>20	3	0	---
Particles >71µm		ASTM D7647	>4	0	0	---
Oil Cleanliness		ISO 4406 (c)	>20/18/15	17/16/13	▲ 22/19/14	---
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	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		39	41	---
Boron	ppm	ASTM D5185m	0	2	<1	---
Barium	ppm	ASTM D5185m	500	442	408	---
Molybdenum	ppm	ASTM D5185m	0	0	1	---
Manganese	ppm	ASTM D5185m		0	<1	---
Magnesium	ppm	ASTM D5185m	0	1	1	---
Calcium	ppm	ASTM D5185m	0	15	8	---
Phosphorus	ppm	ASTM D5185m	20	8	21	---
Zinc	ppm	ASTM D5185m	0	14	7	---
Sulfur	ppm	ASTM D5185m	200	379	842	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.31	0.41	---
Visc @ 40°C	cSt	ASTM D445	49.4	43.6	43.5	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : CCSI2014993 **Received** : 05 Jul 2024
Lab Number : 06229099 **Tested** : 10 Jul 2024
Unique Number : 11112592 **Diagnosed** : 10 Jul 2024 - Jonathan Hester
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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