



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
INGERSOLL RAND COMPRESSOR 5
 Component
Air 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		TO50000994	TO5000746	---
Sample Date		Client Info		17 Apr 2024	23 Jul 2019	---
Machine Age	hrs	Client Info		30066	0	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	0	<1	---
Chromium	ppm	ASTM D5185m	>4	0	0	---
Nickel	ppm	ASTM D5185m	>4	0	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>10	0	<1	---
Lead	ppm	ASTM D5185m	>20	0	<1	---
Copper	ppm	ASTM D5185m	>40	<1	<1	---
Tin	ppm	ASTM D5185m	>5	1	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

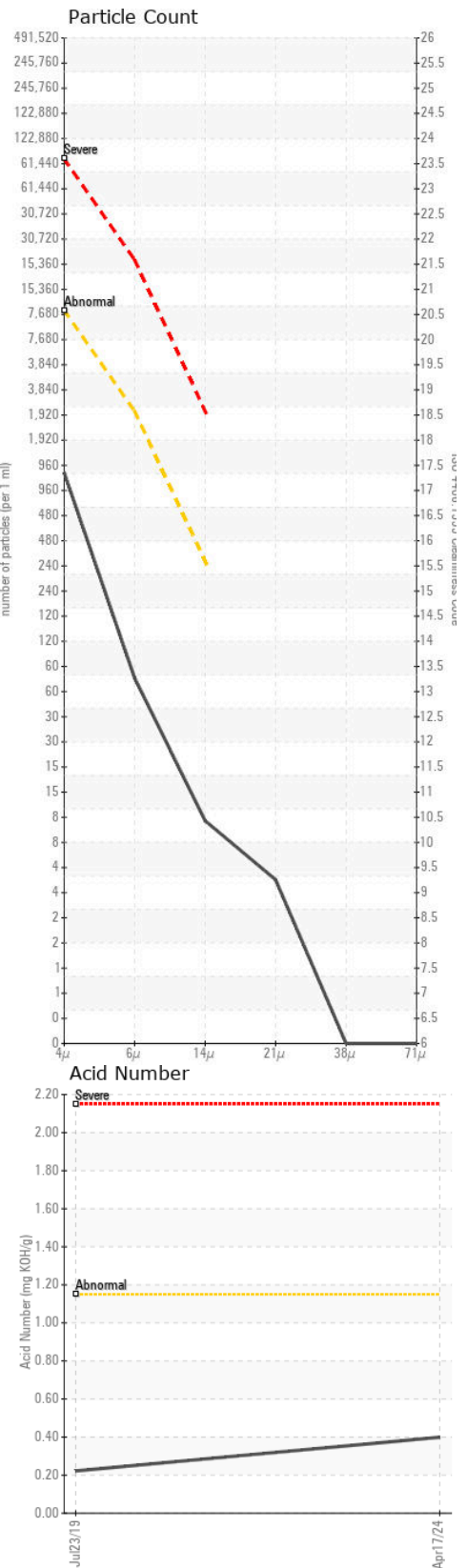
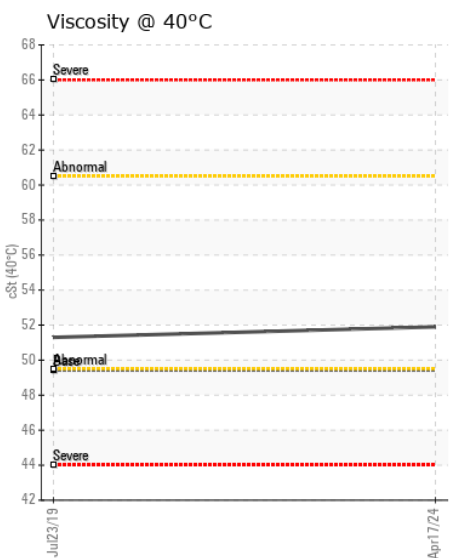
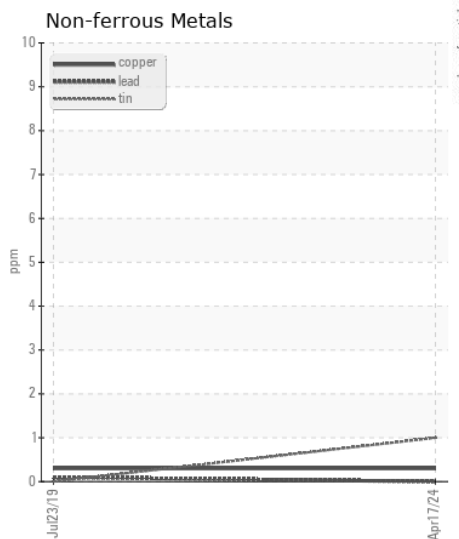
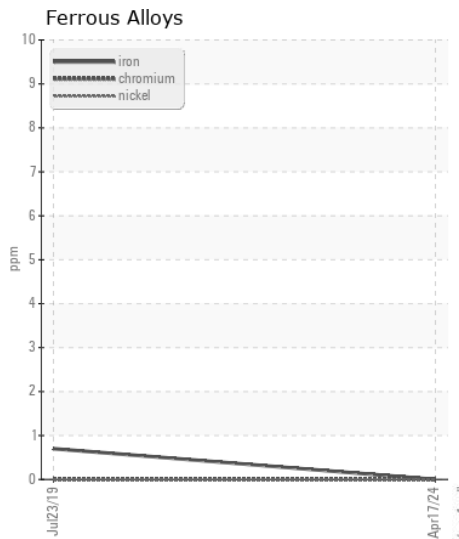
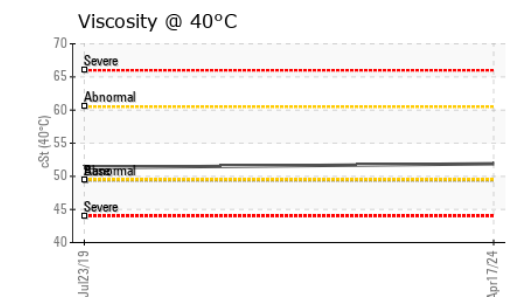
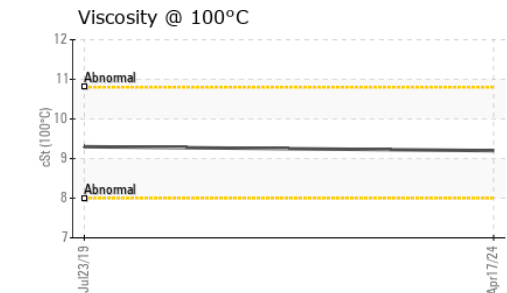
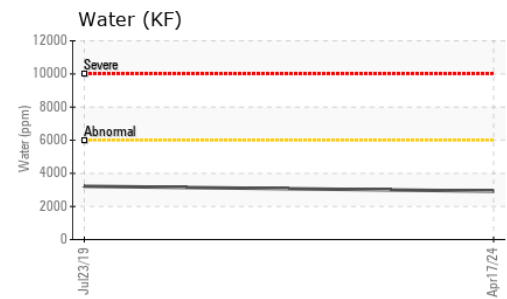
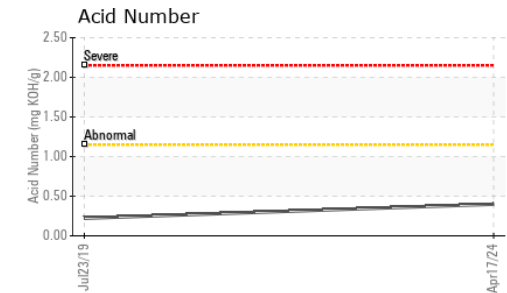
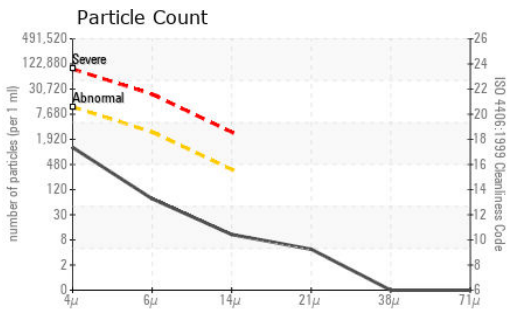
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>25	4	5	---
Potassium	ppm	ASTM D5185m	>20	1	2	---
Water	%	ASTM D6304	>0.6	0.292	0.322	---
ppm Water	ppm	ASTM D6304	>6000	2922	3220	---
Particles >4µm		ASTM D7647	>10000	1077	4313	---
Particles >6µm		ASTM D7647	>2500	64	443	---
Particles >14µm		ASTM D7647	>320	9	28	---
Particles >21µm		ASTM D7647	>80	4	8	---
Particles >38µm		ASTM D7647	>20	0	0	---
Particles >71µm		ASTM D7647	>4	0	0	---
Oil Cleanliness		ISO 4406 (c)	>20/18/15	17/13/10	19/16/12	---
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	>0.6	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		7	8	---
Boron	ppm	ASTM D5185m	0	0	3	---
Barium	ppm	ASTM D5185m	500	511	699	---
Molybdenum	ppm	ASTM D5185m	0	0	0	---
Manganese	ppm	ASTM D5185m		0	<1	---
Magnesium	ppm	ASTM D5185m	0	2	<1	---
Calcium	ppm	ASTM D5185m	0	10	3	---
Phosphorus	ppm	ASTM D5185m	20	9	7	---
Zinc	ppm	ASTM D5185m	0	118	66	---
Sulfur	ppm	ASTM D5185m	200	377	271	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.399	0.222	---
Visc @ 40°C	cSt	ASTM D445	49.4	51.9	51.3	---
Visc @ 100°C	cSt	ASTM D445		9.2	9.3	---
Viscosity Index (VI)	Scale	ASTM D2270	161	160	165	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO50000994 **Received** : 22 Apr 2024
Lab Number : 06155933 **Tested** : 23 Apr 2024
Unique Number : 10991356 **Diagnosed** : 24 Apr 2024 - Jonathan Hester
Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, VI)

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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)