



WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Machine Id
INGERSOLL RAND IND PARK YARN 4
 Component
Compressor
 Fluid
INGERSOLL-RAND SSR ULTRA COOLANT (35 GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		CCSI2015382	CCSI2012182	CCSI2013744
Sample Date		Client Info		08 Jan 2024	10 Oct 2023	06 Jul 2023
Machine Age	hrs	Client Info		30851	29516	27005
Oil Age	hrs	Client Info		5376	0	2000
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ATTENTION	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	2	<1	2
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m		0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	2	<1	0
Lead	ppm	ASTM D5185m	>25	0	<1	<1
Copper	ppm	ASTM D5185m	>50	2	2	3
Tin	ppm	ASTM D5185m	>15	0	2	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	▲ MODER

CONTAMINATION

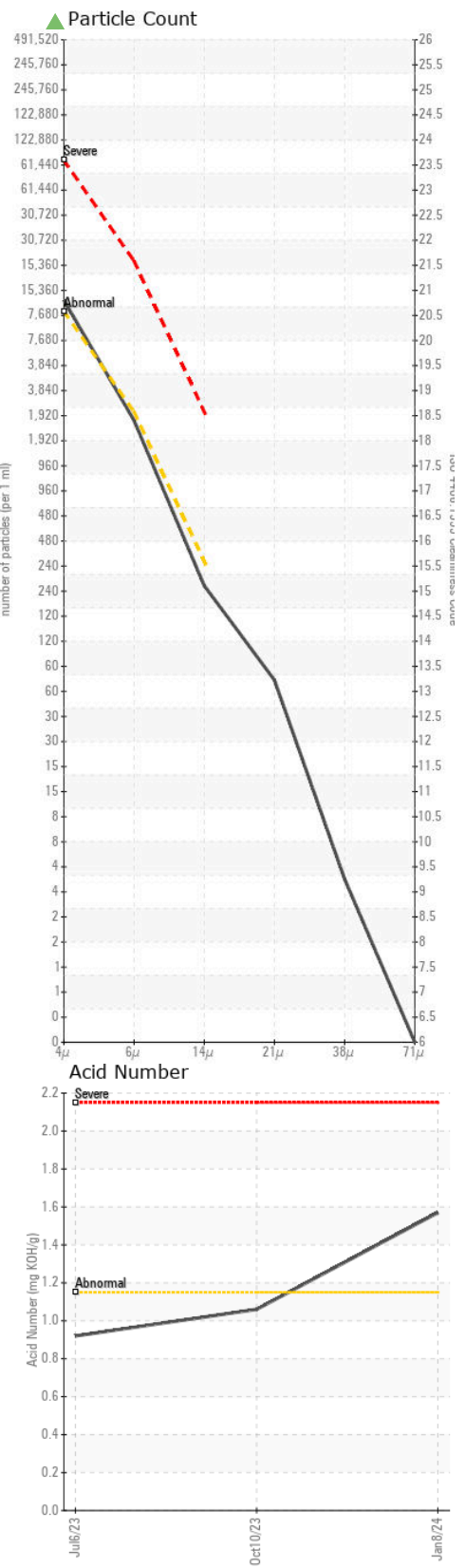
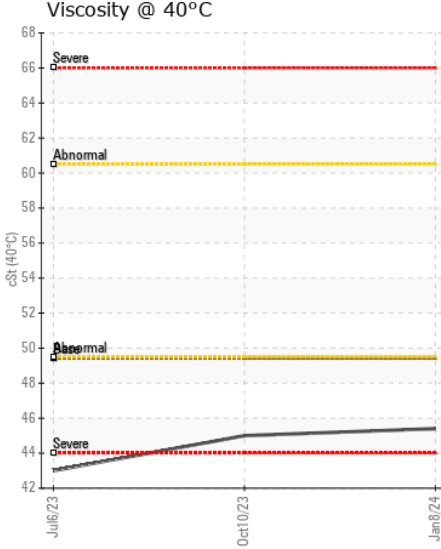
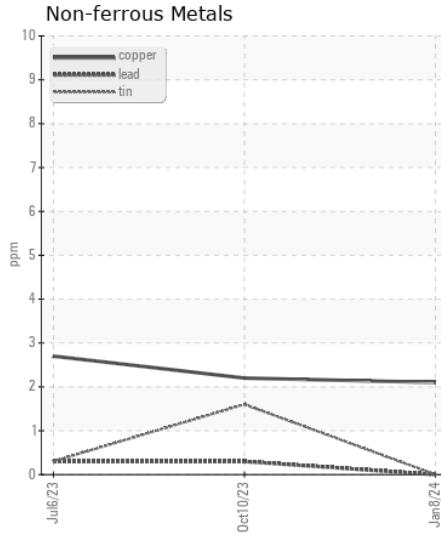
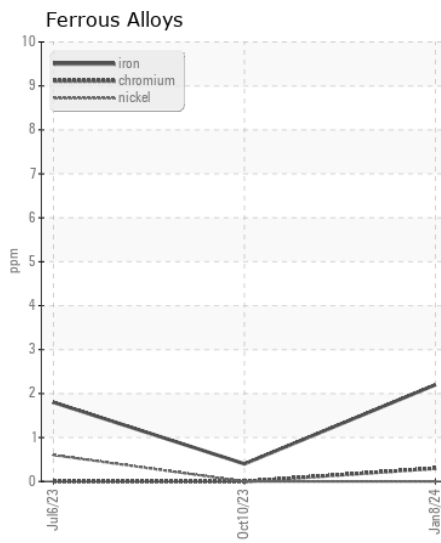
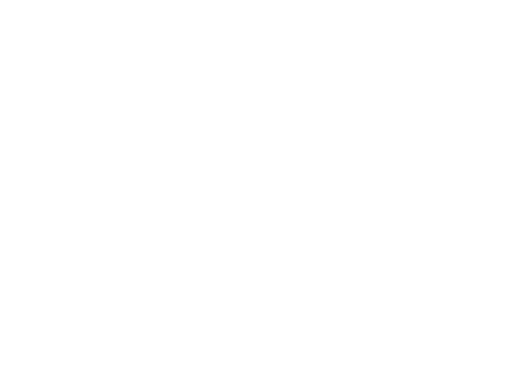
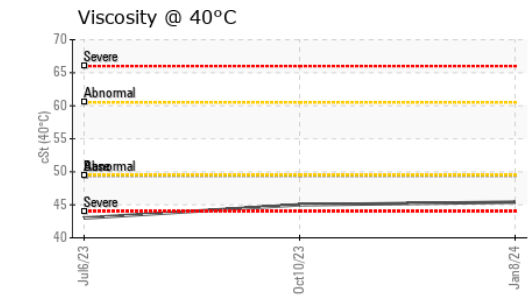
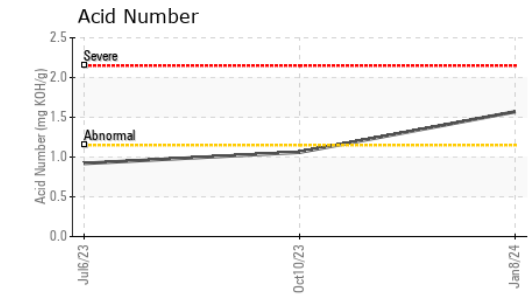
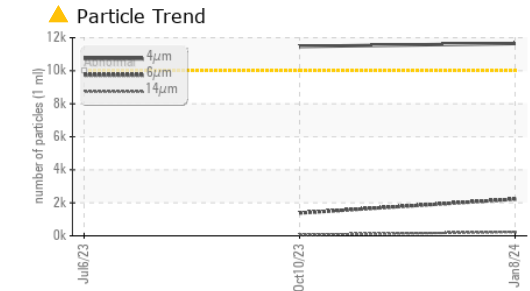
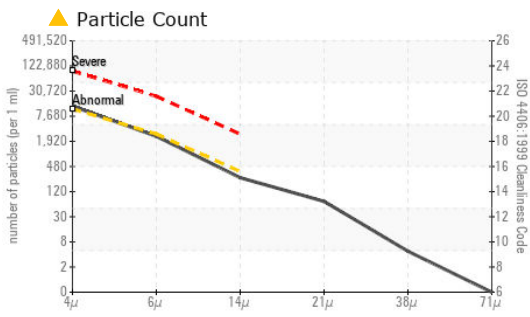
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>25	2	2	1
Potassium	ppm	ASTM D5185m	>20	10	10	9
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>10000	▲ 11649	▲ 11472	---
Particles >6µm		ASTM D7647	>2500	2218	1380	---
Particles >14µm		ASTM D7647	>320	228	69	---
Particles >21µm		ASTM D7647	>80	62	21	---
Particles >38µm		ASTM D7647	>20	4	1	---
Particles >71µm		ASTM D7647	>4	0	0	---
Oil Cleanliness		ISO 4406 (c)	>20/18/15	▲ 21/18/15	▲ 21/18/13	---
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	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		83	72	61
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	500	313	374	539
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	0	2	0	5
Calcium	ppm	ASTM D5185m	0	4	26	4
Phosphorus	ppm	ASTM D5185m	20	37	<1	5
Zinc	ppm	ASTM D5185m	0	0	7	20
Sulfur	ppm	ASTM D5185m	200	277	343	353
Acid Number (AN)	mg KOH/g	ASTM D8045		1.57	1.06	0.92
Visc @ 40°C	cSt	ASTM D445	49.4	45.4	45.0	43.0



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : CCSI2015382 **Received** : 12 Jan 2024
Lab Number : 06060212 **Diagnosed** : 16 Jan 2024
Unique Number : 10831594 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: PrtCount)

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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)