



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
N. Carolina
 Machine Id
INGERSOLL RAND Ingersoll Rand (S/N C1017527)
 Component
Case Drain Reciprocating Compressor
 Fluid
ANDEROL ROYCO 889 (5 LTR)

RECOMMENDATION

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

WEAR

All component wear rates are normal.

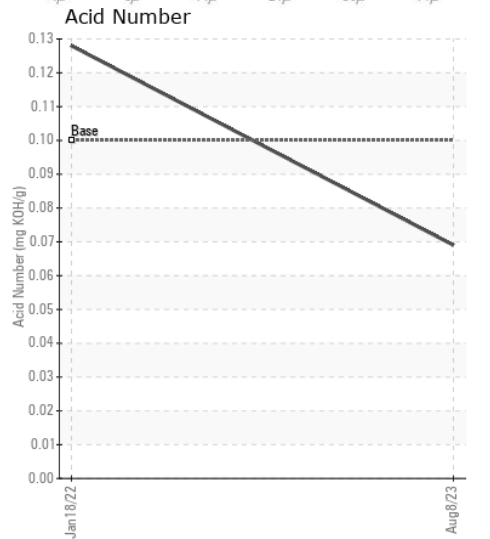
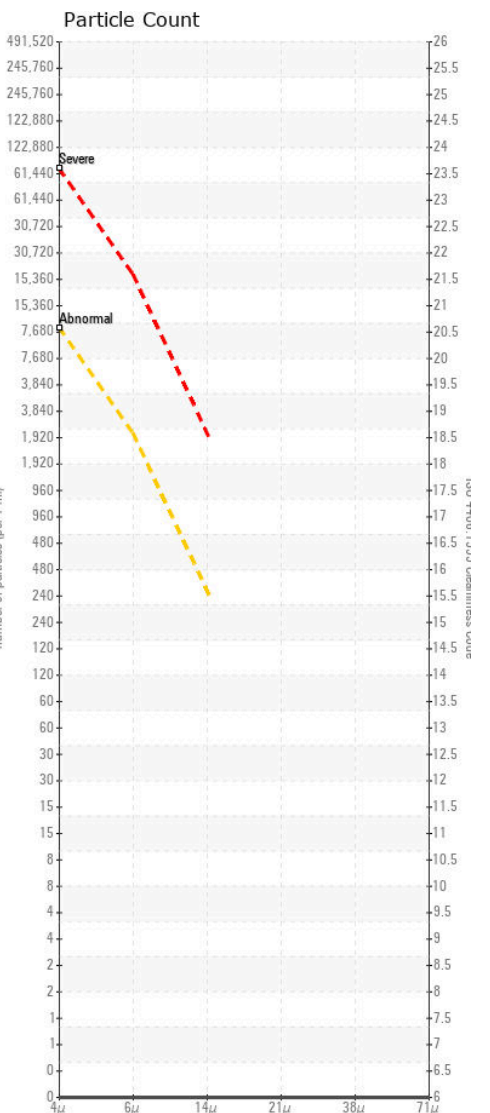
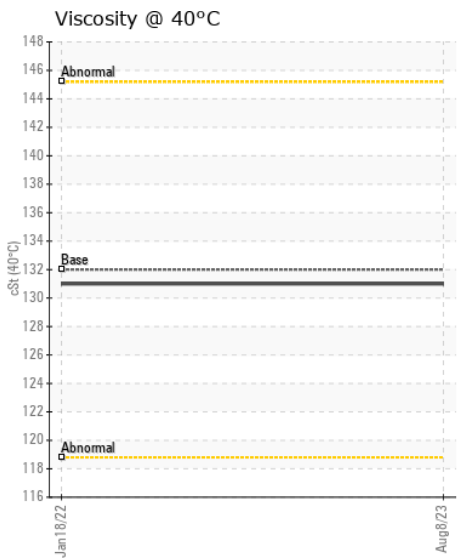
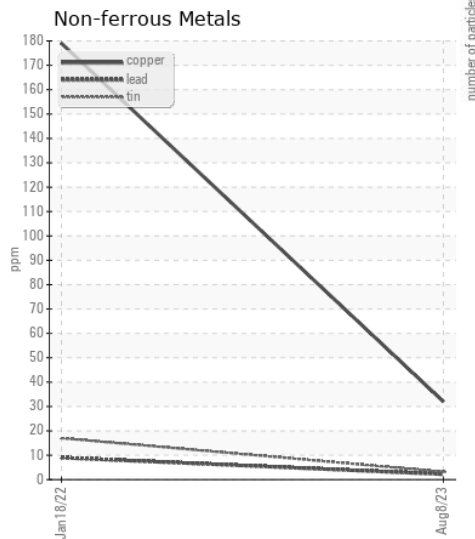
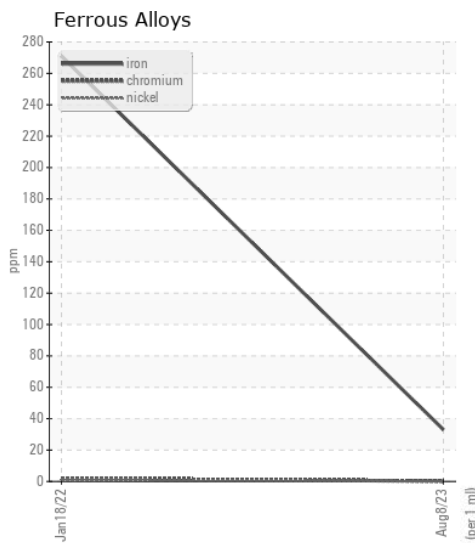
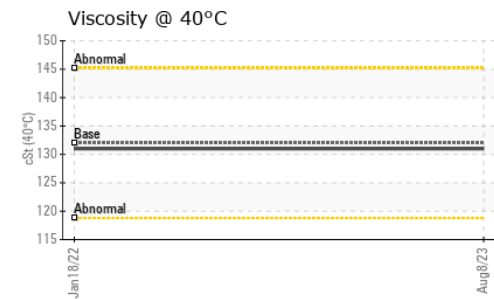
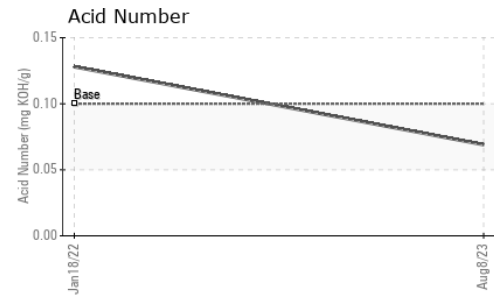
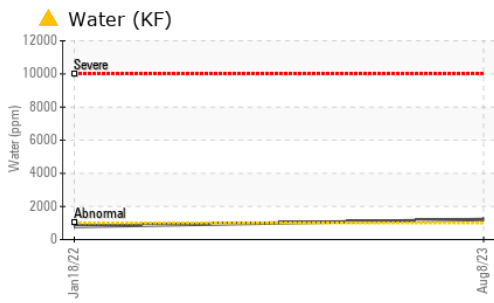
CONTAMINATION

There is a light concentration of water present in the oil.

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		AN0000118	AN0000117	---
Sample Date		Client Info		08 Aug 2023	18 Jan 2022	---
Machine Age	hrs	Client Info		17441	2012	---
Oil Age	hrs	Client Info		841	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				ABNORMAL	SEVERE	---
Iron	ppm	ASTM D5185m	>50	33	▲ 271	---
Chromium	ppm	ASTM D5185m	>10	<1	2	---
Nickel	ppm	ASTM D5185m		0	1	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	12	14	---
Lead	ppm	ASTM D5185m	>25	2	9	---
Copper	ppm	ASTM D5185m	>50	32	▲ 179	---
Tin	ppm	ASTM D5185m	>15	3	▲ 17	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	▲ MODER	---
Silicon	ppm	ASTM D5185m	>25	7	23	---
Potassium	ppm	ASTM D5185m	>20	4	2	---
Water	%	ASTM D6304	>0.1	▲ 0.121	0.079	---
ppm Water	ppm	ASTM D6304	>1000	▲ 1216.6	791.3	---
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	NEG	NEG	---
Sodium	ppm	ASTM D5185m		0	1	---
Boron	ppm	ASTM D5185m		0	0	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		0	0	---
Manganese	ppm	ASTM D5185m		<1	2	---
Magnesium	ppm	ASTM D5185m		2	1	---
Calcium	ppm	ASTM D5185m	0	0	8	---
Phosphorus	ppm	ASTM D5185m	0	4	11	---
Zinc	ppm	ASTM D5185m	0	0	0	---
Sulfur	ppm	ASTM D5185m	0	64	122	---
Acid Number (AN)	mg KOH/g	ASTM D8045	0.1	0.069	0.128	---
Visc @ 40°C	cSt	ASTM D445	132	131	131	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : AN0000118 **Received** : 09 Aug 2023
Lab Number : 05919822 **Tested** : 10 Aug 2023
Unique Number : 10591736 **Diagnosed** : 10 Aug 2023 - Jonathan Hester
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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