



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
5
 Component
Air Compressor
 Fluid
INGERSOLL-RAND TURBOBLEND 46 (100 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		CCSI2012952	CCSI2006957	---
Sample Date		Client Info		28 Nov 2022	29 Jan 2018	---
Machine Age	mths	Client Info		0	6	---
Oil Age	mths	Client Info		0	0	---
Filter Age	mths	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	NORMAL	---

WEAR

All component wear rates are normal.

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

CONTAMINATION

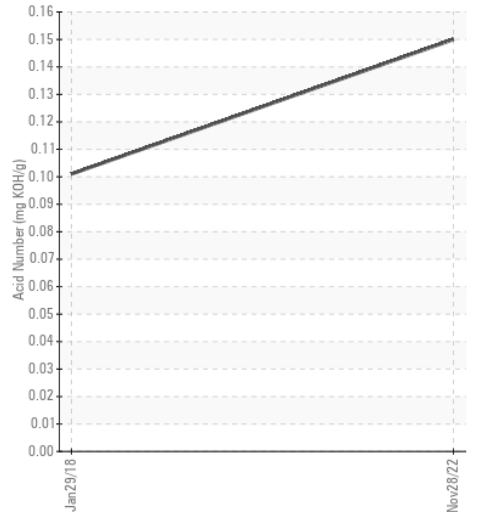
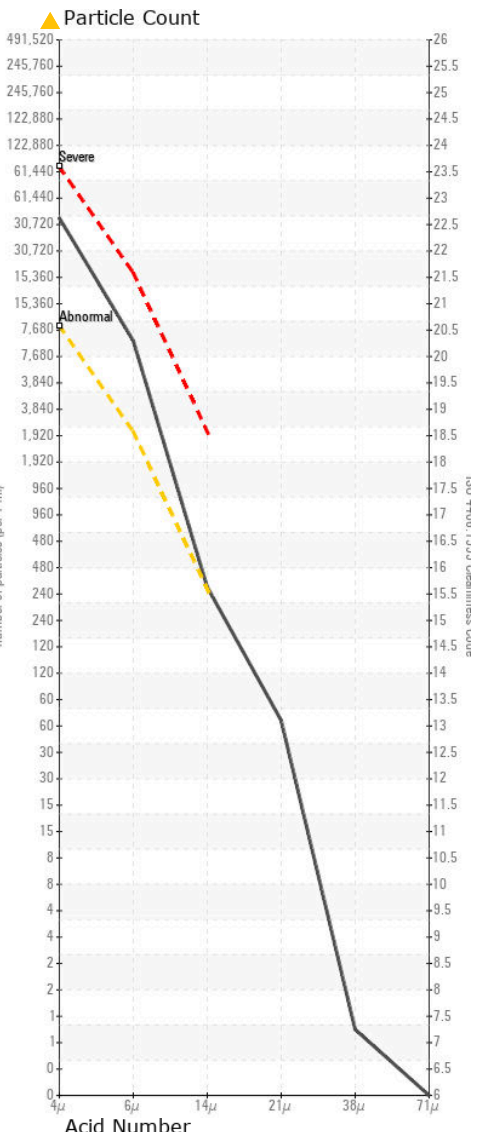
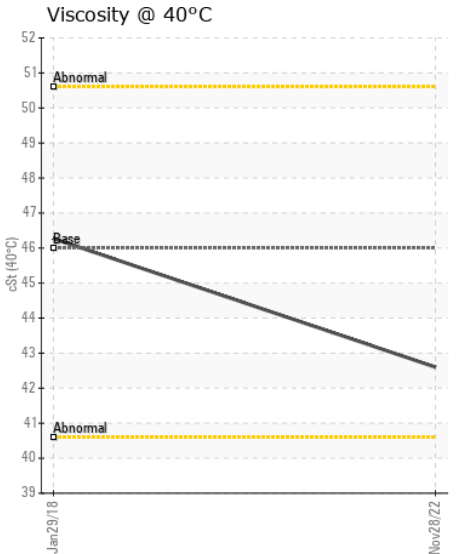
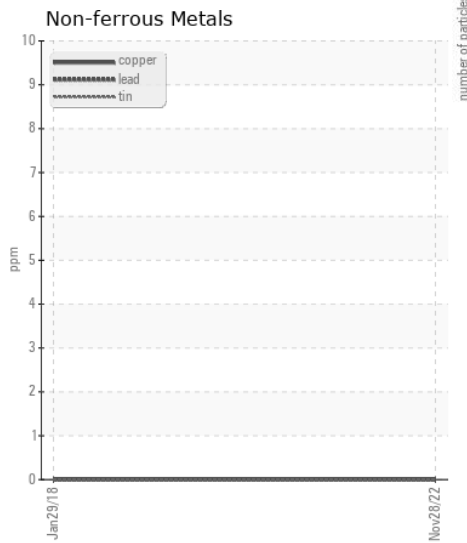
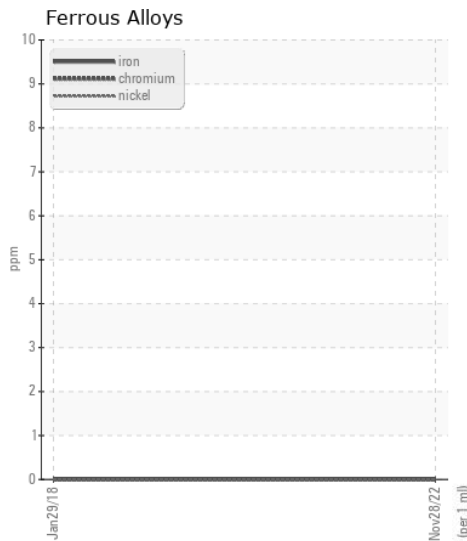
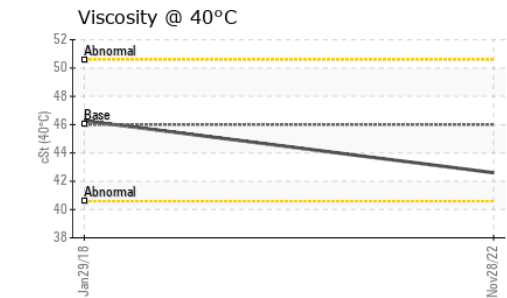
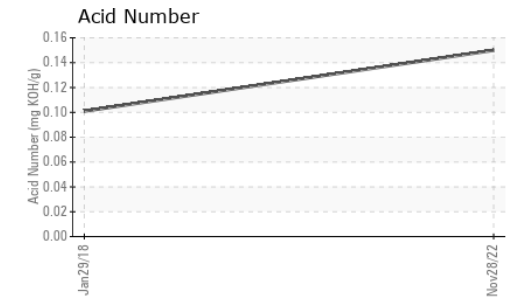
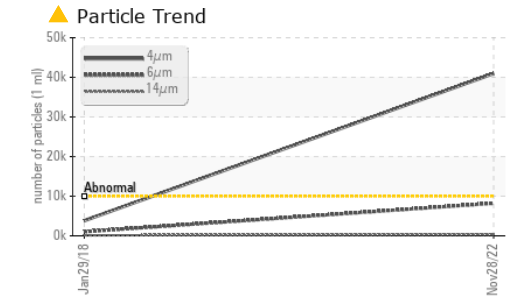
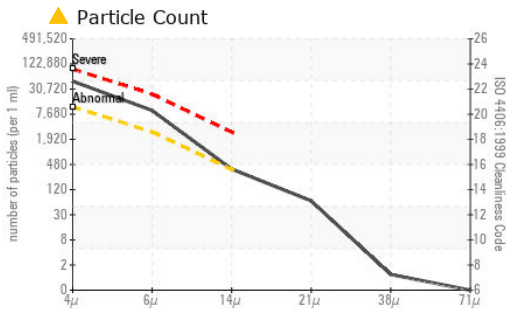
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>25	<1	<1	---
Potassium	ppm	ASTM D5185m	>20	<1	<1	---
Water		WC Method	>0.6	NEG	NEG	---
Particles >4µm		ASTM D7647	>10000	▲ 40973	3829	---
Particles >6µm		ASTM D7647	>2500	▲ 8216	1032	---
Particles >14µm		ASTM D7647	>320	▲ 327	118	---
Particles >21µm		ASTM D7647	>80	57	37	---
Particles >38µm		ASTM D7647	>20	1	4	---
Particles >71µm		ASTM D7647	>4	0	0	---
Oil Cleanliness		ISO 4406 (c)	>20/18/15	▲ 23/20/16	19/17/14	---
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	>0.6	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		0	0	---
Boron	ppm	ASTM D5185m		<1	0	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		0	0	---
Manganese	ppm	ASTM D5185m		0	0	---
Magnesium	ppm	ASTM D5185m		0	0	---
Calcium	ppm	ASTM D5185m		0	0	---
Phosphorus	ppm	ASTM D5185m		15	14	---
Zinc	ppm	ASTM D5185m		0	1	---
Sulfur	ppm	ASTM D5185m		55	56	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.15	0.101	---
Visc @ 40°C	cSt	ASTM D445	46	42.6	46.27	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : CCSI2012952 **Received** : 30 Nov 2022
Lab Number : 05705502 **Tested** : 01 Dec 2022
Unique Number : 10235076 **Diagnosed** : 01 Dec 2022 - Doug Bogart
Test Package : IND 2 (Additional Tests: PrtCount)

OWENS - ILLINOIS
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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)