



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area

## GENERAL PLANT

Machine Id

## INGERSOLL RAND AIR COMPRESSOR #2 (S/N VN2278U17166)

Component

### Air Compressor

Fluid

### INGERSOLL-RAND ULTRA FG (21 GAL)

#### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>IB0000386</b>	IB0000397	IB0000336
Sample Date		Client Info		<b>25 Jun 2024</b>	10 Jan 2024	29 Aug 2023
Machine Age	hrs	Client Info		<b>54058</b>	50911	47946
Oil Age	hrs	Client Info		<b>6112</b>	2965	15857
Filter Age	hrs	Client Info		<b>2175</b>	2965	3930
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Changed
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

#### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>&lt;1</b>	0	2
Chromium	ppm	ASTM D5185m	>4	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m	>4	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>10	<b>2</b>	0	<1
Lead	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>40	<b>&lt;1</b>	0	1
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

#### CONTAMINATION

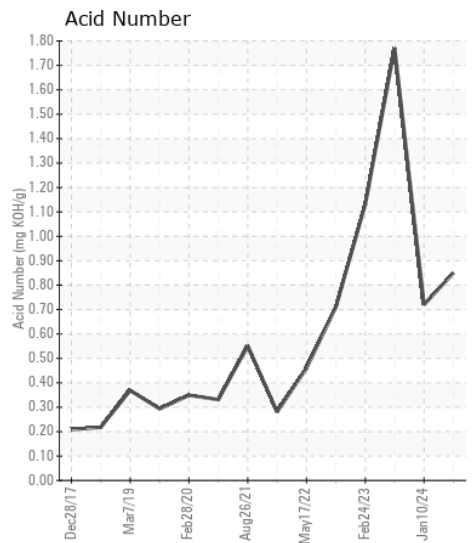
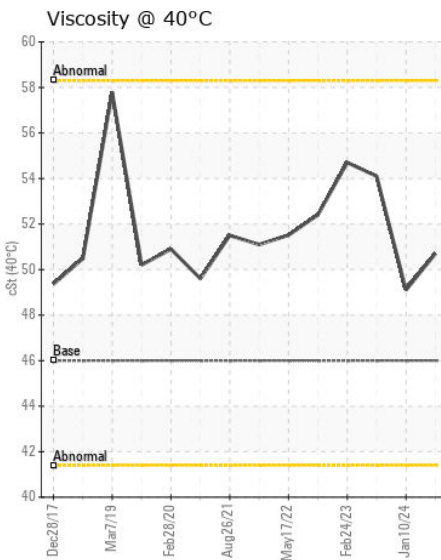
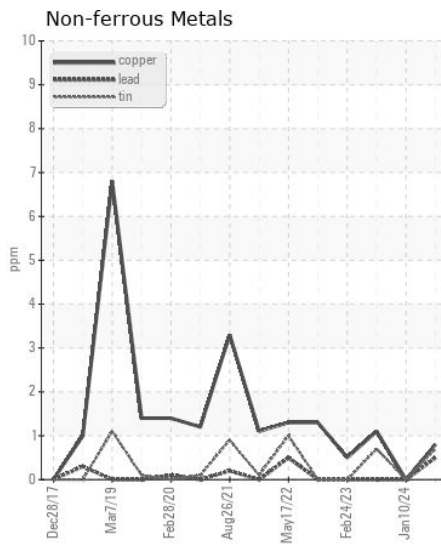
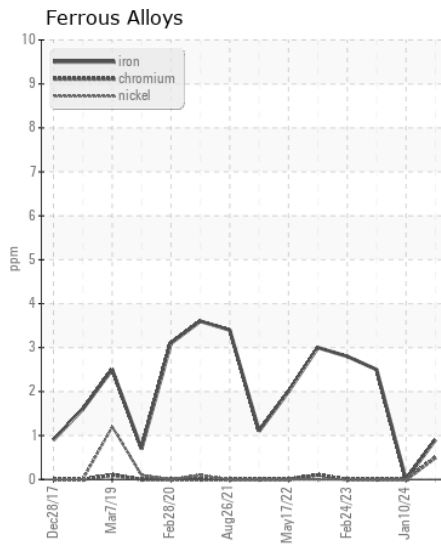
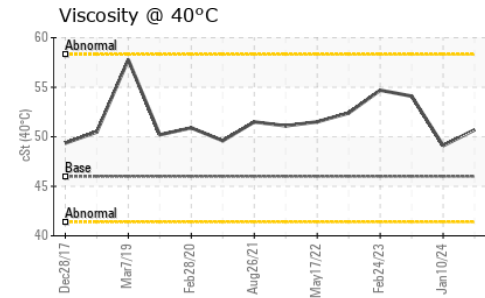
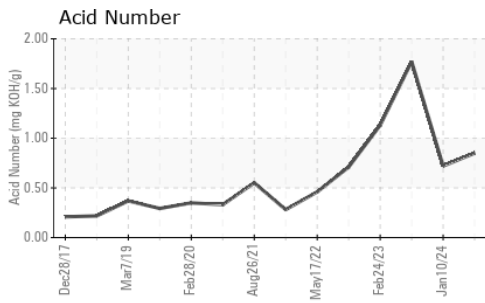
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>1</b>	0	<1
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	<1	5
Water		WC Method	>0.6	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.6	<b>NEG</b>	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		<b>27</b>	30	57
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>7</b>	41	272
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>6</b>	0	<1
Calcium	ppm	ASTM D5185m		<b>0</b>	0	3
Phosphorus	ppm	ASTM D5185m		<b>241</b>	283	74
Zinc	ppm	ASTM D5185m		<b>3</b>	0	3
Sulfur	ppm	ASTM D5185m		<b>509</b>	193	515
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.85</b>	0.72	1.77
Visc @ 40°C	cSt	ASTM D445	46.0	<b>50.7</b>	49.1	54.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : IB0000386  
**Lab Number** : 06223582  
**Unique Number** : 11101779  
**Test Package** : IND 2

**Received** : 28 Jun 2024  
**Tested** : 01 Jul 2024  
**Diagnosed** : 01 Jul 2024 - Angela Borella

**SUPERIOR TELECOMMUNICATIONS INC**  
 75 EAST STATE RD 4  
 HOISINGTON, KS  
 US 67544

Contact: BRIAN STEJSKAL  
 JON.FAZENBAKER@WEARCHECK.COM; brian.stejskal@spsx.com

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)

T: (620)653-1957

F: (620)653-1956