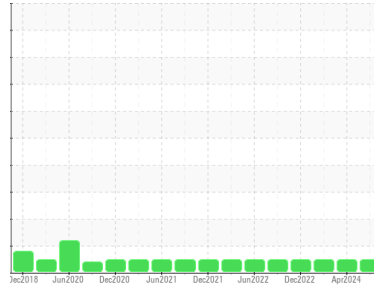




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**KAESER 5223368 - SIEMENS (S/N 1023)**  
 Component  
**Compressor**  
 Fluid  
**KAESER SIGMA (OEM) S-460 (20 GAL)**

## DIAGNOSIS

- Recommendation**  
 Resample at the next service interval to monitor.
- Wear**  
 All component wear rates are normal.
- Contamination**  
 There is no indication of any contamination in the oil.
- Fluid Condition**  
 The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>WC0943050</b>	WC0915283	WC0863618
Sample Date	Client Info			<b>03 Jul 2024</b>	02 Apr 2024	30 Nov 2023
Machine Age	hrs	Client Info		<b>6667</b>	65314	61489
Oil Age	hrs	Client Info		<b>1356</b>	4000	55341
Oil Changed	Client Info			<b>N/A</b>	Changed	Oil Added
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.05	<b>NEG</b>	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>0</b>	1	0
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m	>3	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m	>3	<b>0</b>	<1	0
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>10	<b>0</b>	1	0
Lead	ppm	ASTM D5185m	>10	<b>0</b>	1	0
Copper	ppm	ASTM D5185m	>50	<b>4</b>	10	8
Tin	ppm	ASTM D5185m	>10	<b>0</b>	1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	<1	0

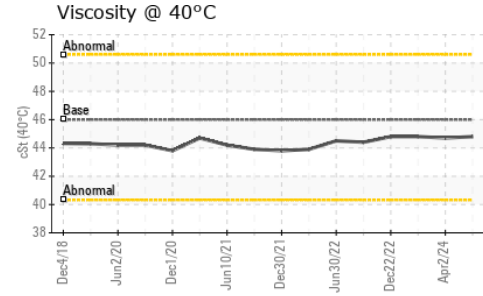
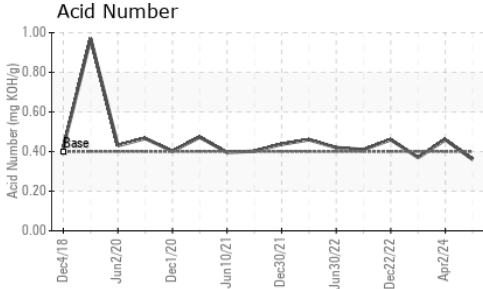
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m	90	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m	90	<b>6</b>	2	0
Calcium	ppm	ASTM D5185m	2	<b>0</b>	3	0
Phosphorus	ppm	ASTM D5185m		<b>0</b>	2	3
Zinc	ppm	ASTM D5185m		<b>3</b>	8	0
Sulfur	ppm	ASTM D5185m		<b>18480</b>	17774	15475

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0	0
Sodium	ppm	ASTM D5185m		<b>6</b>	0	2
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	1	0

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	<b>0.36</b>	0.46	0.37



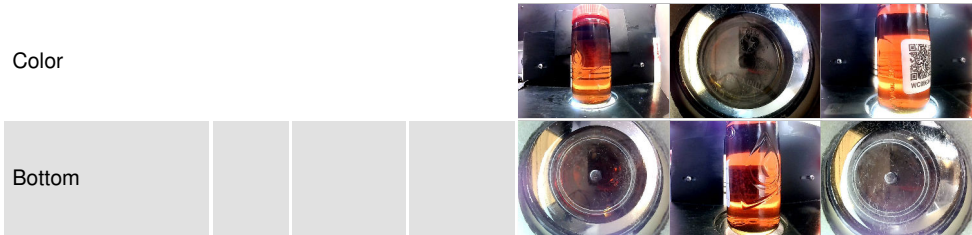
# OIL ANALYSIS REPORT



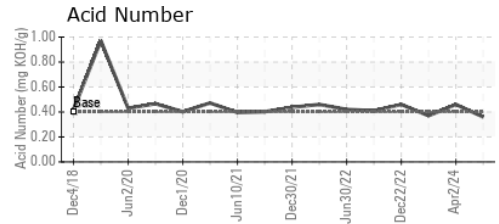
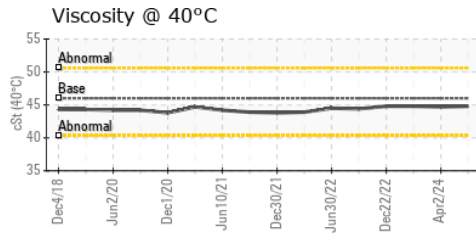
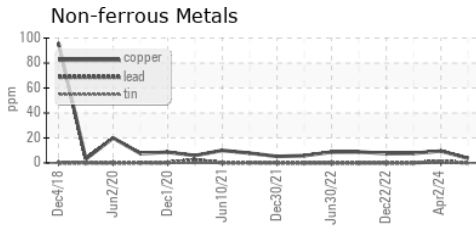
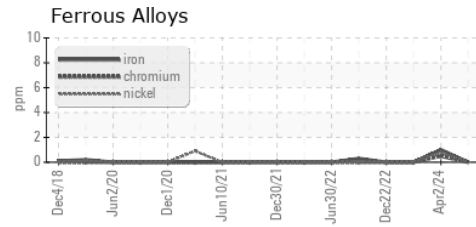
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	<b>44.8</b>	44.7	44.8

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0943050  
**Lab Number** : **06240444**  
**Unique Number** : 11129278  
**Test Package** : IND 2

**Received** : 18 Jul 2024  
**Tested** : 19 Jul 2024  
**Diagnosed** : 19 Jul 2024 - Doug Bogart

**ELEVATED INDUSTRIAL SOLUTIONS - EIS**  
 302 HUGHES ST  
 FOUNTAIN INN, SC  
 US 29644

Contact: DARRIN WARD  
 dward@elevatedindustrial.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)

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