



# OIL ANALYSIS REPORT

Sample Rating Trend

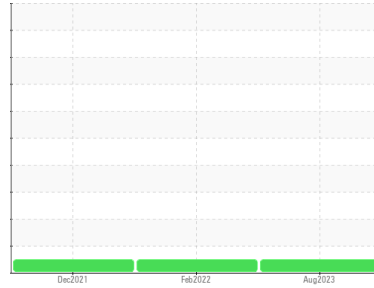
**NORMAL**



Machine Id  
**KAESER 5867643 - FITESA (S/N 1057)**

Component  
**Compressor**

Fluid  
**KAESER SIGMA (OEM) S-460 (30 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>WC0825990</b>	KC97393	WC0637767
Sample Date	Client Info	<b>02 Aug 2023</b>	21 Feb 2022	07 Dec 2021
Machine Age	hrs Client Info	<b>0</b>	4862	4469
Oil Age	hrs Client Info	<b>0</b>	2101	1708
Oil Changed	Client Info	<b>Not Changed</b>	N/A	Not Changed
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>50	<b>0</b>	1	1
Chromium ppm ASTM D5185m	>10	<b>0</b>	0	0
Nickel ppm ASTM D5185m	>3	<b>0</b>	0	0
Titanium ppm ASTM D5185m	>3	<b>0</b>	0	0
Silver ppm ASTM D5185m	>2	<b>&lt;1</b>	0	0
Aluminum ppm ASTM D5185m	>10	<b>0</b>	0	<1
Lead ppm ASTM D5185m	>10	<b>0</b>	0	0
Copper ppm ASTM D5185m	>50	<b>7</b>	5	5
Tin ppm ASTM D5185m	>10	<b>0</b>	0	<1
Antimony ppm ASTM D5185m		<b>---</b>	0	0
Vanadium ppm ASTM D5185m		<b>&lt;1</b>	0	0
Cadmium ppm ASTM D5185m		<b>0</b>	0	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>	0	0
Manganese ppm ASTM D5185m		<b>0</b>	0	0
Magnesium ppm ASTM D5185m	90	<b>5</b>	13	25
Calcium ppm ASTM D5185m	2	<b>0</b>	0	0
Phosphorus ppm ASTM D5185m		<b>3</b>	9	9
Zinc ppm ASTM D5185m		<b>0</b>	0	0
Sulfur ppm ASTM D5185m		<b>18157</b>	15216	15157

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>25	<b>&lt;1</b>	2	1
Sodium ppm ASTM D5185m		<b>2</b>	10	16
Potassium ppm ASTM D5185m	>20	<b>1</b>	0	<1

## FLUID DEGRADATION

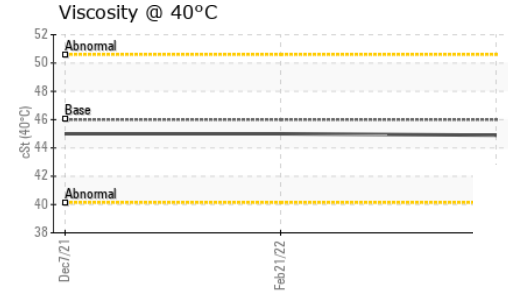
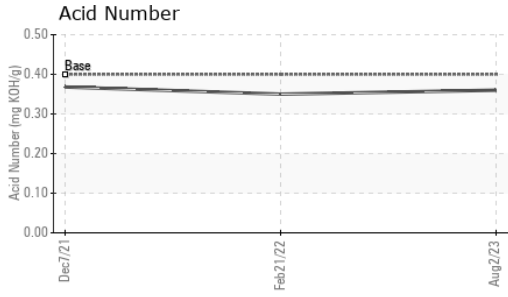
method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045	0.4	<b>0.36</b>	0.35	0.368

## VISUAL

method	limit/base	current	history1	history2
White Metal scalar *Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal scalar *Visual	NONE	<b>NONE</b>	NONE	NONE
Precipitate scalar *Visual	NONE	<b>NONE</b>	NONE	NONE
Silt scalar *Visual	NONE	<b>NONE</b>	NONE	NONE
Debris scalar *Visual	NONE	<b>NONE</b>	LIGHT	VLITE
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	>0.05	<b>NEG</b>	NEG	NEG
Free Water scalar *Visual		<b>NEG</b>	NEG	NEG



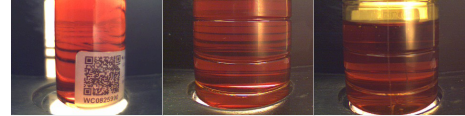
# OIL ANALYSIS REPORT



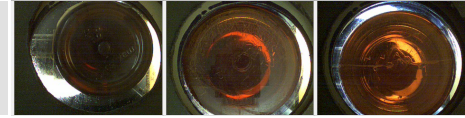
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	<b>44.9</b>	45.0	45.0

SAMPLE IMAGES		method	limit/base	current	history1	history2
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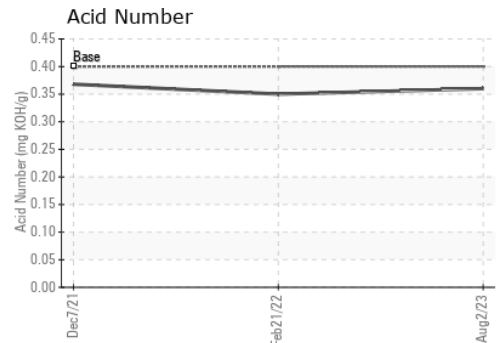
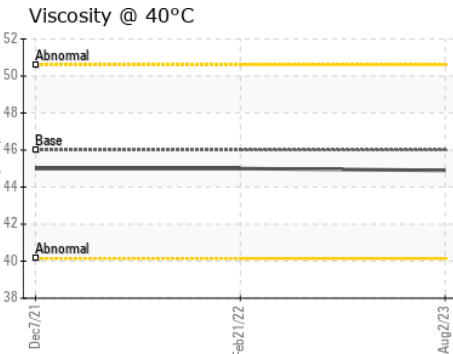
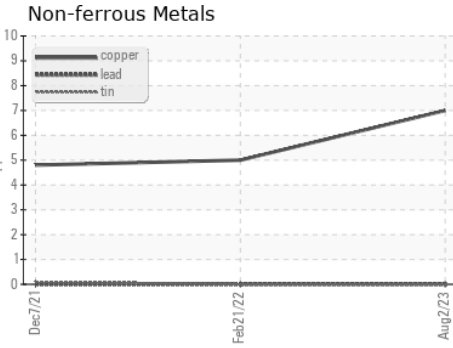
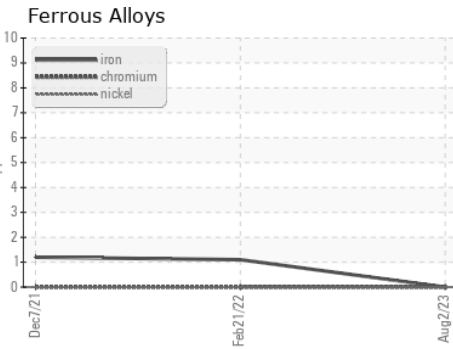
Color



Bottom



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0825990 **Received** : 15 Aug 2023  
**Lab Number** : **05925503** **Diagnosed** : 17 Aug 2023  
**Unique Number** : 10605450 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

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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)