

# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# **KAESER 1001 - FIRST SOURCE**

Component Compressor

KAESER SIGMA (OEM) S-460 (4 GAL)

### **DIAGNOSIS**

#### Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

## Contamination

High concentration of visible dirt/debris present in the oil.

#### **Fluid Condition**

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0943056		
Sample Date		Client Info		23 May 2024		
Machine Age	hrs	Client Info		88161		
Oil Age	hrs	Client Info		3161		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	8		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>3	0		
Titanium	ppm	ASTM D5185m	>3	<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>10	2		
Lead	ppm	ASTM D5185m	>10	<1		
Copper	ppm	ASTM D5185m	>50	10		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m	90	0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	90	0		
Calcium	ppm	ASTM D5185m	2	12		
Phosphorus	ppm	ASTM D5185m		0		
Zinc	ppm	ASTM D5185m		<1		
Sulfur	ppm	ASTM D5185m		18248		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2		
Sodium	ppm	ASTM D5185m		5		
Potassium	ppm	ASTM D5185m	>20	2		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

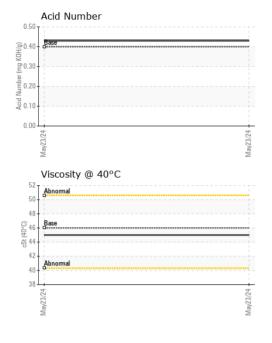
0.43

Acid Number (AN)

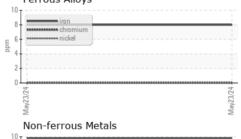
mg KOH/g ASTM D8045 0.4

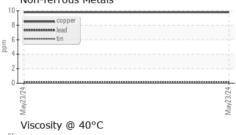


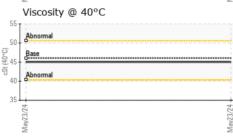
## **OIL ANALYSIS REPORT**

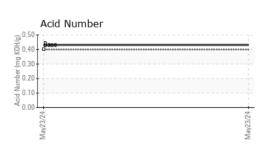


VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	▲ HEAVY		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
<b>Emulsified Water</b>	scalar	*Visual	>0.05	NEG		
Free Water	scalar	*Visual		NEG		
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	45.0		
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color					no image	no image
				1000		
Bottom					no image	no image
Bottom GRAPHS					no image	no image













Laboratory Sample No.

: WC0943056 **Lab Number** : 06200792 Unique Number : 11062915

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 05 Jun 2024 Tested : 06 Jun 2024 Diagnosed : 07 Jun 2024 - Don Baldridge

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

Test Package : IND 2 Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: DARRIN WARD dward@elevatedindustrial.com T:

\* - 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)

Contact/Location: DARRIN WARD - PALFOU

Report Id: PALFOU [WUSCAR] 06200792 (Generated: 06/07/2024 16:17:01) Rev: 1

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