

## **OIL ANALYSIS REPORT**

Sample Rating Trend



NORMAL



Machine Id

# 7838260 (S/N 1112)

Component Compressor

Fluid

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

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#### 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

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

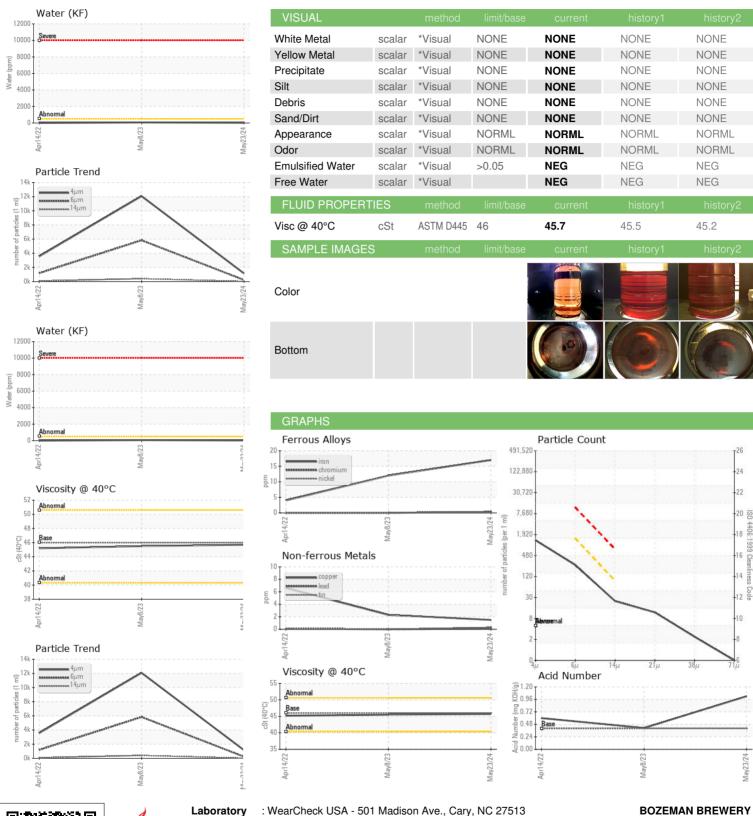
#### **Fluid Condition**

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

		Apr2022		May2023 May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC131549	KC90215	KC103618
Sample Date		Client Info		23 May 2024	08 May 2023	14 Apr 2022
Machine Age	hrs	Client Info		3628	2401	1177
Oil Age	hrs	Client Info		1227	1324	1177
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	17	12	4
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>10	3	4	4
Lead	ppm	ASTM D5185m	>10	<1	0	<1
Copper	ppm	ASTM D5185m	>50	2	2	7
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	90	<1	3	<1
Calcium	ppm	ASTM D5185m	2	0	0	0
Phosphorus	ppm	ASTM D5185m		364	374	231
Zinc	ppm	ASTM D5185m		359	362	214
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	<1
Sodium	ppm	ASTM D5185m		0	4	0
Potassium	ppm	ASTM D5185m	>20	2	<1	<1
Water	%	ASTM D6304	>0.05	0.002	0.006	0.001
ppm Water	ppm		>500	17	64.6	2.1
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		1154	12070	3560
Particles >6µm		ASTM D7647	>1300	226	▲ 5830	1186
Particles >14μm		ASTM D7647	>80	21	<u>400</u>	83
Particles >21µm		ASTM D7647		10	<u>43</u>	17
Particles >38µm		ASTM D7647	>4	2	1	0
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	17/15/12	<u>\$\text{21/20/16}\$</u>	19/17/14
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	1.02	0.41	0.60



### **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No. Lab Number Unique Number : 11061289

: KC131549 : 06199166 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 04 Jun 2024 **Tested** : 05 Jun 2024 Diagnosed

: 06 Jun 2024 - Don Baldridge

US 59715 Contact: Service Manager

504 N BROADWAY

BOZEMAN, MT

To discuss this sample report, contact Customer Service at 1-800-237-1369.

 $^st$  - 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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