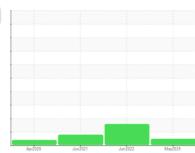


# **OIL ANALYSIS REPORT**

Sample Rating Trend



**NORMAL** 

Machine Id

## **KAESER 6754226**

Component Compressor

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

#### 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.

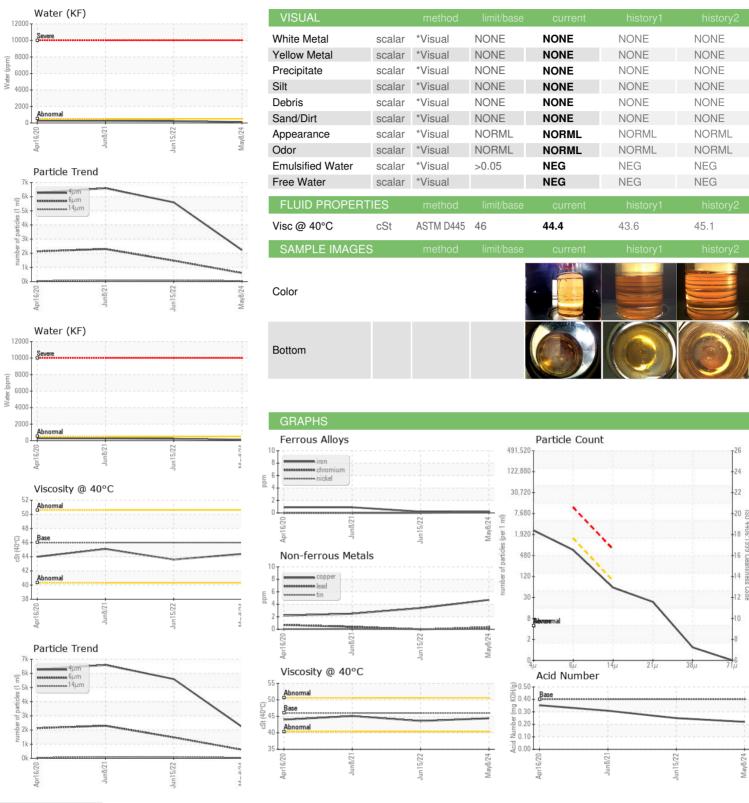
#### **Fluid Condition**

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

		Apr202	Jun2021	Jun 2022 Ma	y2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA016679	KC102593	KC89612
Sample Date		Client Info		08 May 2024	15 Jun 2022	08 Jun 2021
Machine Age	hrs	Client Info		5460	4712	3286
Oil Age	hrs	Client Info		0	1500	2257
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ATTENTION	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	<1	<1
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	<1	0	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	3	0	0
Lead	ppm	ASTM D5185m	>10	<1	0	<1
Copper	ppm	ASTM D5185m	>50	5	3	2
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Antimony	ppm	ASTM D5185m				<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m	90	<1	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	90	8	47	50
Calcium	ppm	ASTM D5185m	2	<1	1	1
Phosphorus	ppm	ASTM D5185m		7	5	2
Zinc	ppm	ASTM D5185m		4	1	0
Sulfur	ppm	ASTM D5185m		12843	21291	17283
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	2
Sodium	ppm	ASTM D5185m		10	18	20
Potassium	ppm	ASTM D5185m	>20	3	1	3
Water	%	ASTM D6304	>0.05	0.012	0.022	0.026
ppm Water	ppm	ASTM D6304	>500	124	227.6	266.9
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		2224	5595	6590
Particles >6µm		ASTM D7647	>1300	604	1477	2297
Particles >14μm		ASTM D7647	>80	51	94	98
Particles >21µm		ASTM D7647	>20	20	30	20
Particles >38µm		ASTM D7647	>4	1	2	0
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	18/16/13	20/18/14	18/14
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



## **OIL ANALYSIS REPORT**





Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

: KCPA016679 Lab Number : 06195441 Unique Number : 11057564

Received : 30 May 2024 **Tested** : 31 May 2024

Diagnosed : 31 May 2024 - Angela Borella Test Package : IND 2 ( Additional Tests: KF, PrtCount )

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)

Contact/Location: Service Manager - BLANORTX

**BLACK & DECKER** 

8601 E SAM LEE LN

Contact: Service Manager

NORTHLAKE, TX

US 76262

T:

F: