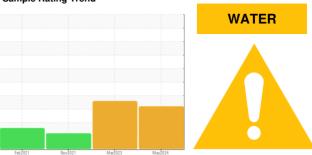


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# KAESER 6838413 (S/N 1032)

Compressor

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

### **DIAGNOSIS**

### Recommendation

Oil and filter change at the time of sampling has been noted. We were unable to perform a particle count due to a high concentration of particles present in this sample. We recommend an early resample in 500 hours to monitor this condition.

All component wear rates are normal.

### Contamination

There is a moderate amount of visible silt present in the sample. There is a light concentration of water present in the oil.

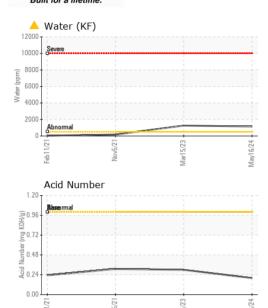
### **Fluid Condition**

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

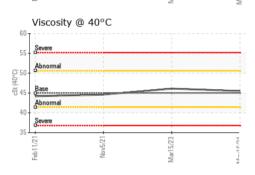
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA014668	KCPA001423	KCP39026
Sample Date		Client Info		16 May 2024	15 Mar 2023	05 Nov 2021
Machine Age	hrs	Client Info		15614	11906	4580
Oil Age	hrs	Client Info		6000	0	2300
Oil Changed		Client Info		Changed	N/A	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	2	1	<1
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>10	2	<1	0
Lead	ppm	ASTM D5185m	>10	<1	<1	<1
Copper	ppm	ASTM D5185m	>50	5	23	2
Tin	ppm	ASTM D5185m	>10	<1	0	0
Antimony	ppm	ASTM D5185m				0
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	0
Barium	ppm	ASTM D5185m	90	2	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	100	3	<1	61
Calcium	ppm	ASTM D5185m	0	0	<1	0
Phosphorus	ppm	ASTM D5185m	0	332	2	3
Zinc	ppm	ASTM D5185m	0	85	0	15
Sulfur	ppm	ASTM D5185m	23500	6403	15626	17327
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	2	0
Sodium	ppm	ASTM D5185m		2	0	11
Potassium	ppm	ASTM D5185m	>20	1	0	7
Water	%	ASTM D6304	>0.05	<u> </u>	<b>△</b> 0.127	0.017
opm Water	ppm	ASTM D6304	>500	<u> </u>	<u>▲</u> 1270	173.3
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647			258076	21983
Particles >6µm		ASTM D7647	>1300		<u>154980</u>	<u>▲</u> 8128
Particles >14µm		ASTM D7647	>80		<u> </u>	<u>^</u> 255
Particles >21µm		ASTM D7647	>20		<u>^</u> 2067	<b>△</b> 34
			4		<u></u> ▲ 51	2
•		ASTM D7647	>4		J I	_
Particles >38µm Particles >71µm		ASTM D7647			1	0
Particles >38µm						



## **OIL ANALYSIS REPORT**

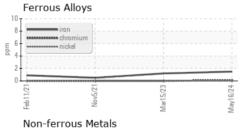


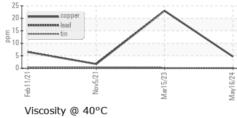


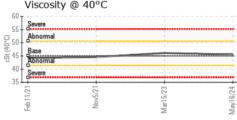


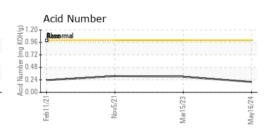
### **GRAPHS**

**Bottom** 









Contact/Location: Service Manager - BELCOLIN





Laboratory Sample No.

Lab Number : 06201526 Unique Number : 11063649

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : KCPA014668

Received **Tested** Diagnosed

: 06 Jun 2024 : 10 Jun 2024

: 10 Jun 2024 - Don Baldridge

2450 MERCHANTS MILE COLUMBUS, IN US 47201

Contact: Service Manager

Test Package : IND 2 ( Additional Tests: KF, PrtCount ) Certificate 12367 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)

**BELLE TIRE** 

T:

F: