

# **OIL ANALYSIS REPORT**

Sample Rating Trend



# Machine Id KAESER DSD 200 4772308 (S/N 1073)

Compressor

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

### **DIAGNOSIS**

### Recommendation

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

All component wear rates are normal.

### Contamination

There is a high amount of particulates present in the oil.

### Fluid Condition

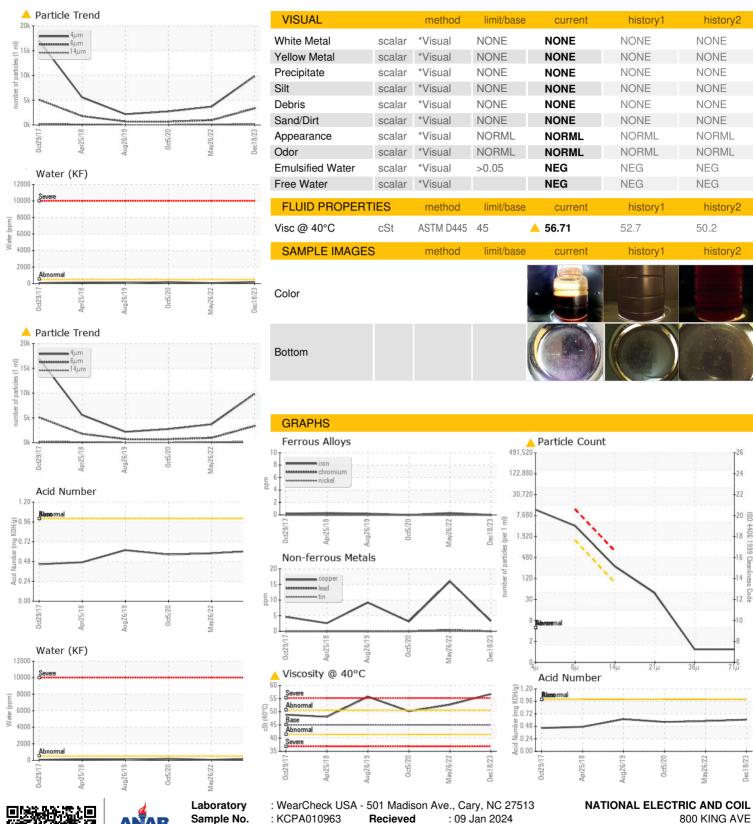
The oil viscosity is higher than normal. The AN level is acceptable for this fluid.

		0ct2017	Apr2018 Aug2015	0 Oct2020 May2022	Dec2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA010963	KCP51861	KCP30441
Sample Date		Client Info		18 Dec 2023	26 May 2022	05 Oct 2020
Machine Age	hrs	Client Info		84167	75427	62276
Oil Age	hrs	Client Info		0	10000	9421
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				ABNORMAL	ATTENTION	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	<1	<1
Aluminum	ppm	ASTM D5185m	>10	0	<1	0
Lead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm	ASTM D5185m	>50	3	16	3
Tin	ppm	ASTM D5185m	>10	0	<1	0
Antimony	ppm	ASTM D5185m				<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	<1
Barium	ppm	ASTM D5185m	90	0	<1	17
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	100	0	0	17
Calcium	ppm	ASTM D5185m	0	0	0	0
Phosphorus	ppm	ASTM D5185m	0	0	5	4
Zinc	ppm	ASTM D5185m	0	0	0	0
Sulfur	ppm	ASTM D5185m	23500	17156	14018	16722
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1	<1
Sodium	ppm	ASTM D5185m		<1	<1	0
Potassium	ppm	ASTM D5185m	>20	0	0	<1
Water	%	ASTM D6304	>0.05	0.019	0.007	0.018
ppm Water	ppm	ASTM D6304	>500	197	70.5	183.9
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		9862	3701	2734
Particles >6µm		ASTM D7647	>1300	<b>△</b> 3370	967	676
Particles >14μm		ASTM D7647	>80	<b>233</b>	<b>1</b> 26	50
Particles >21µm		ASTM D7647	>20	<b>40</b>	<b>3</b> 3	12
Particles >38µm		ASTM D7647	>4	1	4	3
Particles >71µm		ASTM D7647	>3	1	0	3
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>^</u> 20/19/15	<b>1</b> 9/17/14	17/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

0.565



## **OIL ANALYSIS REPORT**







Certificate L2367

Sample No. Lab Number **Unique Number** 

: KCPA010963 : 06055911

Recieved : 10821860

Diagnosed : 11 Jan 2024

Diagnostician : Jonathan Hester

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)

800 KING AVE COLUMBUS, OH US 43212

Contact: Service Manager

Contact/Location: Service Manager - NATCOLOH

T: F: