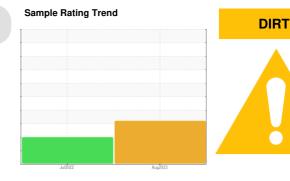


# **PROBLEM SUMMARY**

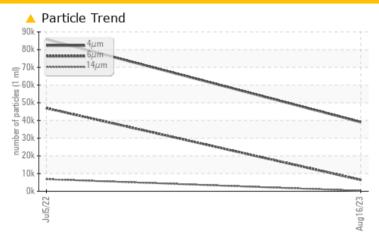
<sup>Machine Id</sup> **2220881 (S/N 1383)** Component

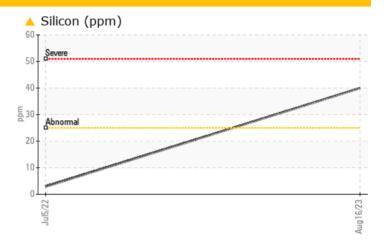
Compressor

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









### RECOMMENDATION

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS											
Sample Status				ABNORMAL	ABNORMAL						
Silicon	ppm	ASTM D5185m	>25	<b>40</b>	3						
Particles >6µm		ASTM D7647	>1300	<b>6428</b>	<b>46957</b>						
Particles >14µm		ASTM D7647	>80	<b>278</b>	<u>▲</u> 6820						
Particles >21µm		ASTM D7647	>20	<b>73</b>	<u>1031</u>						
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>22/20/15</u>	<u>4</u> 24/23/20						

**Customer Id: NORSAC** Sample No.: KCPA004276 Lab Number: 05933593 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:

Don Baldridge +1 don.b505@comcast.net

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

## **RECOMMENDED ACTIONS**

There are no recommended actions for this sample.

## HISTORICAL DIAGNOSIS

05 Jul 2022 Diag: Angela Borella

ISO



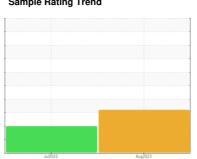
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.





# **OIL ANALYSIS REPORT**

Sample Rating Trend



DIRT

2220881 (S/N 1383)

Compressor

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

## **DIAGNOSIS**

#### Recommendation

No corrective action is recommended at this time. The 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

There is a high amount of particulates present in the oil. Elemental level of silicon (Si) above normal.

### **Fluid Condition**

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

			Jul2022	Aug2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA004276	KCP51476	
Sample Date		Client Info		16 Aug 2023	05 Jul 2022	
Machine Age	hrs	Client Info		0	38088	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	Changed	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	2	1	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>3	0	0	
Titanium	ppm	ASTM D5185m	>3	0	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>10	0	<1	
Lead	ppm	ASTM D5185m	>10	0	0	
Copper	ppm	ASTM D5185m	>50	2	4	
Tin	ppm	ASTM D5185m	>10	0	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	
Barium	ppm	ASTM D5185m	90	11	0	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		<1	0	
Magnesium	ppm	ASTM D5185m	100	46	4	
Calcium	ppm	ASTM D5185m	0	2	0	
Phosphorus	ppm	ASTM D5185m	0	8	27	
Zinc	ppm	ASTM D5185m	0	45	16	
Sulfur	ppm	ASTM D5185m	23500	21028	17235	
CONTAMINANTS	<b>;</b>	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>40</b>	3	
Sodium	ppm	ASTM D5185m		2	0	
Potassium	ppm	ASTM D5185m	>20	2	<1	
Water	%	ASTM D6304	>0.05	0.015	0.010	
ppm Water	ppm	ASTM D6304	>500	157.7	104.4	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		39026	85750	
Particles >6µm		ASTM D7647	>1300	<b>△</b> 6428	<u>46957</u>	
Particles >14µm		ASTM D7647	>80	<u>^</u> 278	<u></u> 6820	
Particles >21µm		ASTM D7647	>20	<b>^</b> 73	<u>1031</u>	
Particles >38µm		ASTM D7647	>4	1	<u> </u>	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>22/20/15</u>	<b>2</b> 4/23/20	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
A -! -! All Is (AAI)	1/011/	4 OT1 4 D00 45	4.0	0.20	0.20	

Acid Number (AN)

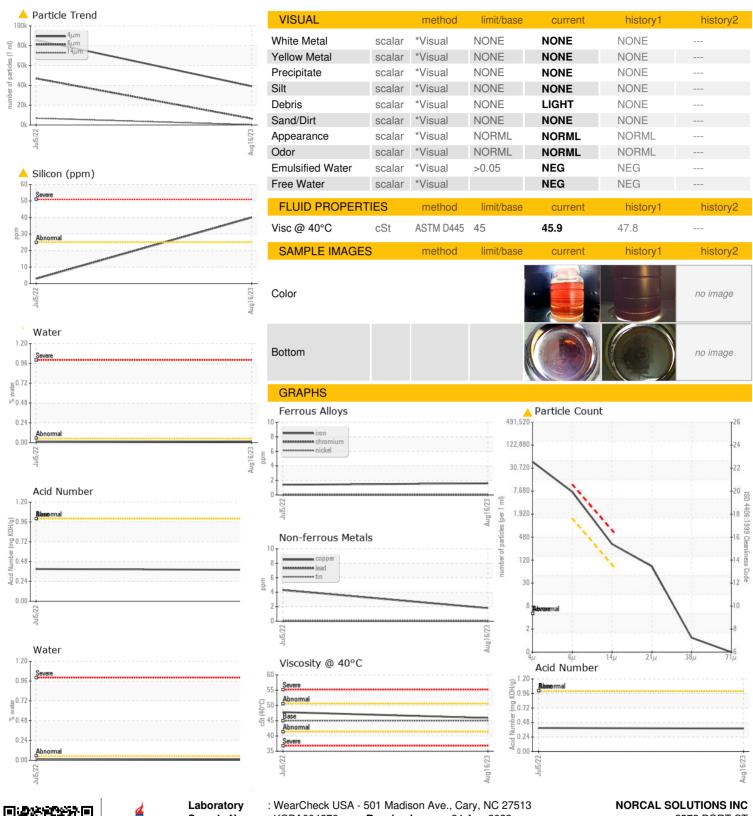
mg KOH/g ASTM D8045 1.0

0.39

0.38



## **OIL ANALYSIS REPORT**







Certificate L2367

Sample No. Lab Number **Unique Number** 

: 05933593

: KCPA004276 : 10618864

Received Diagnosed Diagnostician : Don Baldridge

: 24 Aug 2023 : 25 Aug 2023

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)

2572 PORT ST SACRAMENTO, CA US 95691

Contact: A/P

ap@ncsallieddoors.com

T:

F: