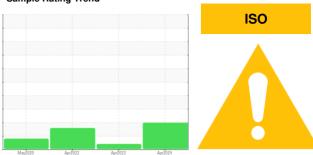


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

3230110 (S/N 1424)

Component Compressor

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

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. 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

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

Fluid Condition

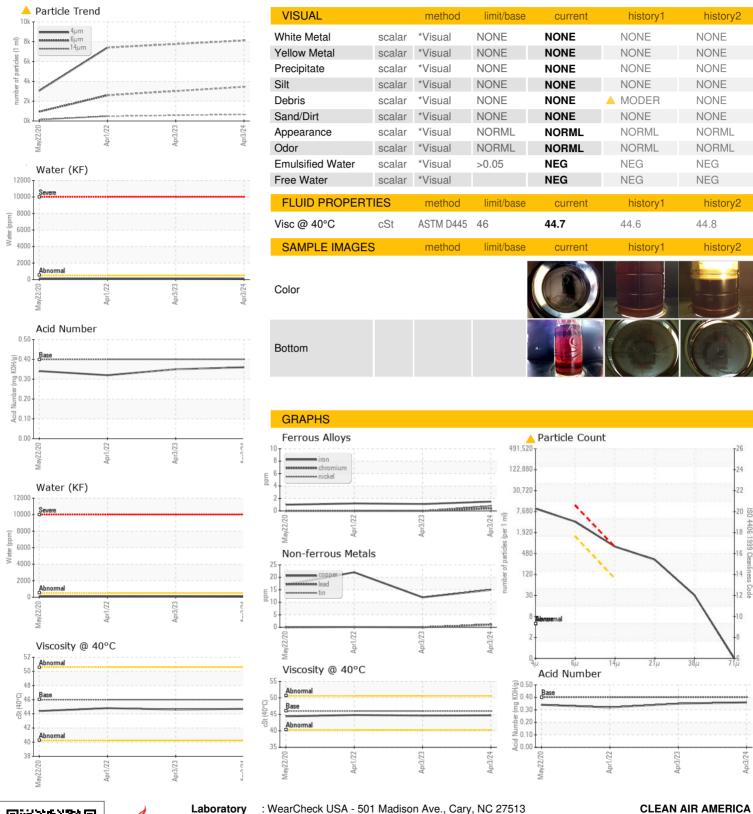
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

		May202				
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA015981	KCPA000260	KCP41298
Sample Date		Client Info		03 Apr 2024	03 Apr 2023	01 Apr 2022
Machine Age	hrs	Client Info		44370	40084	35857
Oil Age	hrs	Client Info		0	0	4657
Oil Changed		Client Info		Changed	N/A	Changed
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	<1	0	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>10	1	0	0
Lead	ppm	ASTM D5185m	>10	1	0	<1
Copper	ppm	ASTM D5185m	>50	15	12	22
Tin	ppm	ASTM D5185m	>10	1	0	<1
Antimony	ppm	ASTM D5185m				
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	0
Barium	ppm	ASTM D5185m	90	1	0	0
Molybdenum	ppm	ASTM D5185m		1	0	0
Manganese	ppm	ASTM D5185m		1	1	2
Magnesium	ppm	ASTM D5185m	90	15	18	8
Calcium	ppm	ASTM D5185m	2	3	<1	0
Phosphorus	ppm	ASTM D5185m		3	0	7
Zinc	ppm	ASTM D5185m		37	46	35
Sulfur	ppm	ASTM D5185m		19823	20648	14885
CONTAMINANTS	,	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	0	<1
Sodium	ppm	ASTM D5185m		7	8	5
Potassium	ppm	ASTM D5185m	>20	2	<1	0
Water	%	ASTM D6304	>0.05	0.013	0.008	0.009
ppm Water	ppm	ASTM D6304	>500	136	85.9	91.1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
		4 OT4 4 D70 47		8125		7405
Particles >4µm		ASTM D7647		J.=J		
Particles >4μm Particles >6μm		ASTM D7647 ASTM D7647	>1300	<u> </u>		<u>\$\times\$ 2594</u>
			>1300 >80			
Particles >6µm		ASTM D7647		<u></u> 3444		<u>\$\times\$ 2594</u>
Particles >6μm Particles >14μm		ASTM D7647 ASTM D7647	>80	△ 3444 △ 664		▲ 2594 ▲ 481
Particles >6µm Particles >14µm Particles >21µm		ASTM D7647 ASTM D7647 ASTM D7647	>80 >20	△ 3444 △ 664 △ 282		▲ 2594 ▲ 481 ▲ 172
Particles >6µm Particles >14µm Particles >21µm Particles >38µm		ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>80 >20 >4	▲ 3444 ▲ 664 ▲ 282 ▲ 27		▲ 2594 ▲ 481 ▲ 172 ▲ 17

0.36



OIL ANALYSIS REPORT







Certificate 12367

Laboratory

Sample No.

Lab Number Unique Number : 10976701

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : KCPA015981 : 06146623

Received **Tested** Diagnosed Test Package : IND 2 (Additional Tests: KF, PrtCount)

: 12 Apr 2024 : 16 Apr 2024 - Angela Borella

: 11 Apr 2024

Contact: MICHAEL FARMER michael.farmer@clean-air.com T:

7 SUPERIOR DR SE

ROME, GA

US 30161

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F:

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)