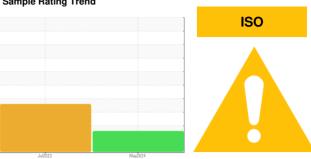


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER BSD 50 8254753 (S/N 1280)

Component Compressor

KAESER SIGMA (OEM) S-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.

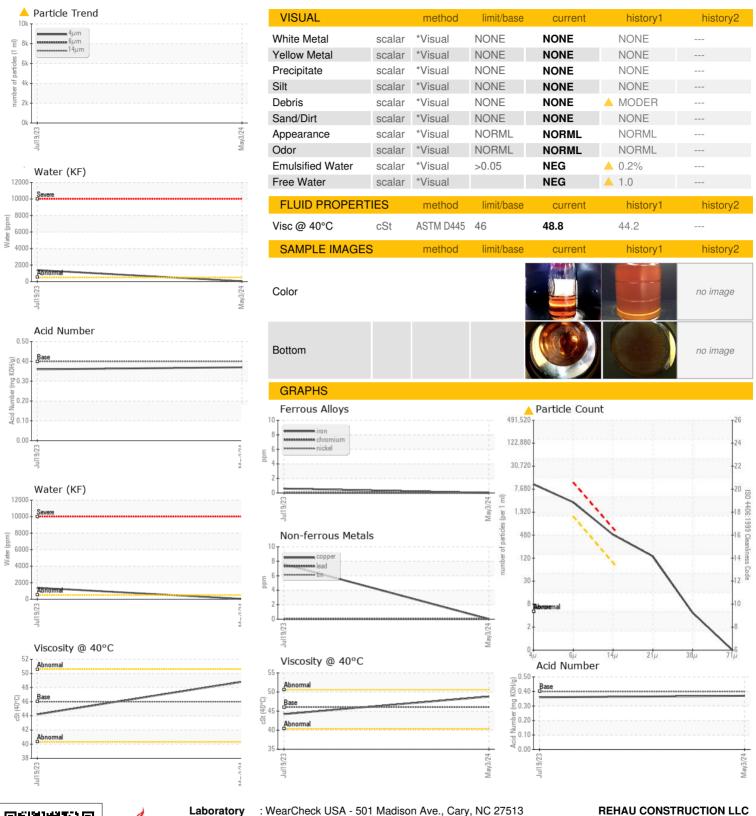
Fluid Condition

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

Oil Changed Sample Status Client Info Not Changd ABNORMAL N/A				Jul2023	May2024		
Sample Number Client Info CPA017133 CPA004421							
Sample Date Client Info 03 May 2024 19 Jul 2023	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Date Client Info 03 May 2024 19 Jul 2023	Sample Number		Client Info		KCPA017133	KCPA004421	
Machine Age hrs			Client Info		03 May 2024	19 Jul 2023	
Oil Age hrs Client Info 4091 0	•	hrs	Client Info		7347	3256	
Oil Changed Sample Status Client Info Not Changd ABNORMAL N/A	Oil Age	hrs	Client Info		4091	0	
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >50 0 <1	Oil Changed		Client Info		Not Changd	N/A	
Iron	Sample Status				ABNORMAL	ABNORMAL	
Chromium ppm ASTM D5185m >10 0 0	WEAR METALS		method	limit/base	current	history1	history2
Chromium ppm ASTM D5185m >10 0 0	Iron	ppm	ASTM D5185m	>50	0	<1	
Nickel ppm ASTM D5185m >3 0 0 0 Titanium ppm ASTM D5185m >2 0 0 0 Silver ppm ASTM D5185m >2 0 0 0 Silver ppm ASTM D5185m >2 0 0 0 Aluminum ppm ASTM D5185m >2 0 0 0 Lead ppm ASTM D5185m >10 0 0 Lead ppm ASTM D5185m >50 0 8 Tin ppm ASTM D5185m >10 0 0 Vanadium ppm ASTM D5185m >10 0 0 Vanadium ppm ASTM D5185m 0 0 0 Vanadium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 Barium ppm ASTM D5185m 0 0 0 Manganese ppm ASTM D5185m 0 0 0 Manganesium ppm ASTM D5185m 0 0 0 Phosphorus ppm ASTM D5185m 0 0 0 Sulfur ppm ASTM D5185m 2 0 0 0 CCNTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m 221 20567 CONTAMINANTS method limit/base current history1 history2 Water % ASTM D5185m 20 0 0 Potassium ppm ASTM D5185m 20 0 0 Potassium ppm ASTM D5185m 20 0 0 Potassium ppm ASTM D5185m 20 0 0 Sodium ppm ASTM D5185m 20 0 0 Potassium ppm ASTM D5185m 20 0 0 Particles >4µm ASTM D5185m 20 0 0 ASTM D5185m 20 0 0 Particles >6µm ASTM D7647 80 0 434 Particles >14µm ASTM D7647 80 0 434							
Titanium					-		
Silver					-		
Aluminum ppm ASTM D5185m >10 0 2 Lead ppm ASTM D5185m >10 0 0 Copper ppm ASTM D5185m >50 0 8 Tin ppm ASTM D5185m >10 0 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 90 0 0 Molybdenum ppm ASTM D5185m 90 0 <1							
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Magnesium ppm ASTM D5185m 90 0 <1 Calcium ppm ASTM D5185m 2 0 0 Phosphorus ppm ASTM D5185m <1	Molybdenum	ppm	ASTM D5185m		0	0	
Calcium ppm ASTM D5185m 2 0 0 Phosphorus ppm ASTM D5185m <1	Manganese	ppm	ASTM D5185m		0	<1	
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Zinc ppm ASTM D5185m 0 14 Sulfur ppm ASTM D5185m 221 20567 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 <1 <1 Sodium ppm ASTM D5185m >20 0 <1 Potassium ppm ASTM D5185m >20 0 <1 Water % ASTM D5185m >20 0 <1 Water % ASTM D5185m >20 0 <1 Water % ASTM D5185m >20 0 <1 Potassium ppm ASTM D6304 >0.003 0.003 0.139 FLUID CLEANLINESS method limit/base current history1 history2 FLUID CLEANLINESS method limit/base aurrent h	Calcium	ppm	ASTM D5185m	2	0	0	
Sulfur ppm ASTM D5185m 221 20567 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 <1	Phosphorus	ppm	ASTM D5185m		<1	3	
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 <1	Zinc	ppm	ASTM D5185m		0	14	
Silicon ppm ASTM D5185m >25 <1 <1 <-1 Sodium ppm ASTM D5185m <1 <-1 < Potassium ppm ASTM D5185m >20	Sulfur	ppm	ASTM D5185m		221	20567	
Sodium ppm ASTM D5185m <1 <1 Potassium ppm ASTM D5185m >20 0 <1	CONTAMINANTS		method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 0 <1 Water % ASTM D6304 >0.05 0.003 ▲ 0.139 ppm Water ppm ASTM D6304 >500 39 ▲ 1390 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4μm ASTM D7647 8913 Particles >6μm ASTM D7647 >1300 ▲ 3040 Particles >14μm ASTM D7647 >80 ▲ 434 Particles >21μm ASTM D7647 >20 ▲ 118 Particles >38μm ASTM D7647 >3 0 Particles >71μm ASTM D7647 >3 0 Oil Cleanliness ISO 4406 (c) >17/13 19/16 FLUID DEGRADATION method limit/base current history1 history2	Silicon	ppm	ASTM D5185m	>25	<1	<1	
Potassium ppm ASTM D5185m >20 0 <1 Water % ASTM D6304 >0.05 0.003 △ 0.139 ppm Water ppm ASTM D6304 >500 39 △ 1390 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4μm ASTM D7647 8913 Particles >6μm ASTM D7647 >1300 △ 3040 Particles >14μm ASTM D7647 >80 △ 434 Particles >21μm ASTM D7647 >20 △ 118 Particles >38μm ASTM D7647 >3 0 Particles >71μm ASTM D7647 >3 0 Oil Cleanliness ISO 4406 (c) >17/13 19/16 FLUID DEGRADATION Imit/base current <td< td=""><td>Sodium</td><td>ppm</td><td>ASTM D5185m</td><td></td><td><1</td><td><1</td><td></td></td<>	Sodium	ppm	ASTM D5185m		<1	<1	
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ppm Water ppm ASTM D6304 >500 39 ▲ 1390 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4μm ASTM D7647 8913 Particles >6μm ASTM D7647 >1300 ▲ 3040 Particles >14μm ASTM D7647 >80 ▲ 434 Particles >21μm ASTM D7647 >20 ▲ 118 Particles >38μm ASTM D7647 >4 4 Particles >71μm ASTM D7647 >3 0 Oil Cleanliness ISO 4406 (c) >17/13 19/16 FLUID DEGRADATION method limit/base current history1 history2	Water		ASTM D6304	>0.05	0.003	△ 0.139	
Particles >4μm ASTM D7647 8913 Particles >6μm ASTM D7647 >1300 3040 Particles >14μm ASTM D7647 >80 434 Particles >21μm ASTM D7647 >20 118 Particles >38μm ASTM D7647 >4 4 Particles >71μm ASTM D7647 >3 0 Oil Cleanliness ISO 4406 (c) >17/13 19/16 FLUID DEGRADATION method limit/base current history1 history2							
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Particles >21μm ASTM D7647 >20 ▲ 118 Particles >38μm ASTM D7647 >4 4 Particles >71μm ASTM D7647 >3 0 Oil Cleanliness ISO 4406 (c) >17/13 ▲ 19/16 FLUID DEGRADATION method limit/base current history1 history2			ASTM D7647	>1300	^ 3040		
Particles >38μm ASTM D7647 >4 4 Particles >71μm ASTM D7647 >3 0 Oil Cleanliness ISO 4406 (c) >17/13 ▲ 19/16 FLUID DEGRADATION method limit/base current history1 history2	Particles >14µm		ASTM D7647	>80	434		
Particles >38μm ASTM D7647 >4 4 Particles >71μm ASTM D7647 >3 0 Oil Cleanliness ISO 4406 (c) >17/13 ▲ 19/16 FLUID DEGRADATION method limit/base current history1 history2	· ·		ASTM D7647	>20			
Particles >71μm ASTM D7647 >3 0 Oil Cleanliness ISO 4406 (c) >17/13 ▲ 19/16 FLUID DEGRADATION method limit/base current history1 history2	•						
Oil Cleanliness ISO 4406 (c) >17/13 ▲ 19/16 FLUID DEGRADATION method limit/base current history1 history2							
	Oil Cleanliness						
	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)						



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number

: KCPA017133 : 06206499 Unique Number : 11073960

Received : 11 Jun 2024 **Tested** Diagnosed

: 13 Jun 2024

: 13 Jun 2024 - Angela Borella Test Package : IND 2 (Additional Tests: KF, PrtCount)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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)

F: Contact/Location: BRYAN KRAUSE - REHCUL

CULLMAN, AL

US 35055

T:

2424 INDUSTRIAL DR SW

Contact: BRYAN KRAUSE

bryan.krause@rehau.com