

# **OIL ANALYSIS REPORT**

Sample Rating Trend



**VIS DEBRIS** 



Machine Id

# 6994210 (S/N 1039)

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. We were unable to perform a particle count due to a high concentration of particles present in this sample.

#### Wear

All component wear rates are normal.

### Contamination

Moderate concentration of visible dirt/debris present in the oil.

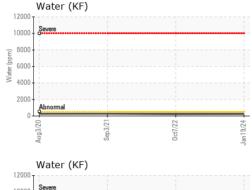
## **Fluid Condition**

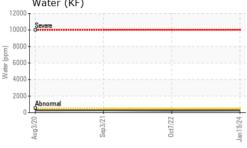
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

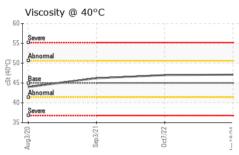
CAMPLE INFORM	4 A TI O NI					
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA011042	KCP46676	KCP37802
Sample Date		Client Info		19 Jan 2024	07 Oct 2022	03 Sep 2021
Machine Age	hrs	Client Info		14936	9511	5578
Oil Age	hrs	Client Info		0	3067	2400
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	0	<1
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	<1
Titanium	ppm	ASTM D5185m	>3	<1	<1	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>10	2	1	<1
Lead	ppm	ASTM D5185m	>10	0	2	1
Copper	ppm	ASTM D5185m	>50	2	1	1
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		<1	<1	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	<1	<1
Magnesium	ppm	ASTM D5185m	100	66	74	78
Calcium	ppm	ASTM D5185m	0	9	0	3
Phosphorus	ppm	ASTM D5185m	0	1	25	3
Zinc	ppm	ASTM D5185m	0	6	2	2
Sulfur	ppm	ASTM D5185m	23500	23587	23656	17584
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1	<1
Sodium	ppm	ASTM D5185m		23	21	18
Potassium	ppm	ASTM D5185m	>20	9	15	9
Water	%	ASTM D6304	>0.05	0.023	0.021	0.027
ppm Water	ppm	ASTM D6304	>500	237	216.5	271.3
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647			26906	24075
Particles >6µm		ASTM D7647	>1300		<u>^</u> 7241	<u>▲</u> 5737
Particles >14μm		ASTM D7647	>80		<u>223</u>	<b>▲</b> 182
Particles >21µm		ASTM D7647	>20		<u>△</u> 32	<b>△</b> 26
Particles >38µm		ASTM D7647	>4		0	1
Particles >71µm		ASTM D7647	>3		0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13		<u>22/20/15</u>	△ 20/15
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

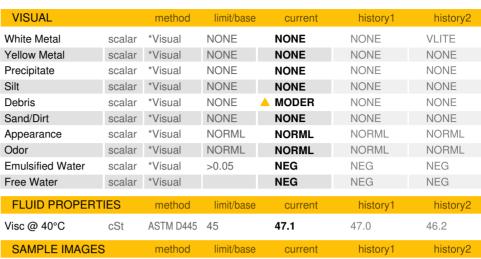


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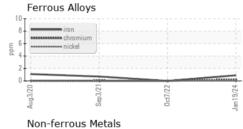


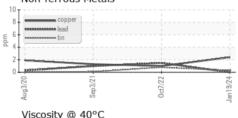
**Bottom** 

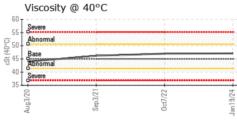
Color

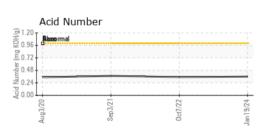


#### **GRAPHS**













Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : KCPA011042 Lab Number : 06142226 Unique Number : 10967034

Received **Tested** Diagnosed

: 08 Apr 2024 : 11 Apr 2024

: 11 Apr 2024 - Don Baldridge Test Package : IND 2 ( Additional Tests: KF, PrtCount )

1633 BLAIRS BRIDGE RD LITHIA SPRINGS, GA US 30122

**ROYAL WHITE CEMENT** 

Contact: CHRISTOPHER

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. christopher@royalwhitecement.com T:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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