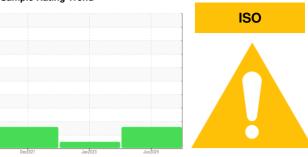


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

4078743 (S/N 1057)

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.

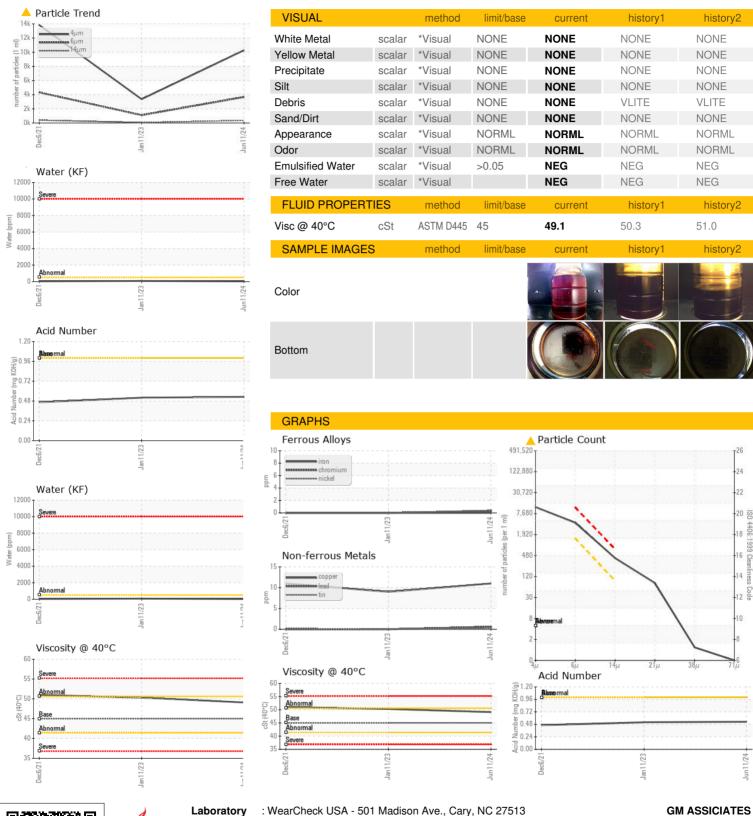
Fluid Condition

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

		Del	.2021	Jan2023 Jun20.	24	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA003651	KCP45923	KCP37263
Sample Date		Client Info		11 Jun 2024	11 Jan 2023	06 Dec 2021
Machine Age	hrs	Client Info		45884	40283	35908
Oil Age	hrs	Client Info		0	0	26595
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				ABNORMAL	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	0
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	<1	0	<1
Aluminum	ppm	ASTM D5185m	>10	3	0	0
Lead	ppm	ASTM D5185m	>10	<1	0	0
Copper	ppm	ASTM D5185m	>50	11	9	11
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Antimony	ppm	ASTM D5185m				0
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	0
Barium	ppm	ASTM D5185m	90	1	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	100	0	0	0
Calcium	ppm	ASTM D5185m	0	0	0	0
Phosphorus	ppm	ASTM D5185m	0	6	4	6
Zinc	ppm	ASTM D5185m	0	2	0	0
Sulfur	ppm	ASTM D5185m	23500	20507	18589	15645
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	<1	4
Sodium	ppm	ASTM D5185m		0	0	<1
Potassium	ppm	ASTM D5185m	>20	2	<1	0
Water	%	ASTM D6304	>0.05	0.003	0.007	0.004
ppm Water	ppm	ASTM D6304	>500	34	74.3	43.8
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		10272	3366	13850
Particles >6µm		ASTM D7647	>1300	<u> </u>	1105	▲ 4321
Particles >14µm		ASTM D7647	>80	△ 357	65	▲ 398
			00	A 00	10	A 100
Particles >21µm		ASTM D7647	>20	<u>^</u> 69	19	<u>109</u>
•		ASTM D7647 ASTM D7647	>4	1	4	▲ 7
Particles >21μm			>4			△ 7 0
Particles >21μm Particles >38μm		ASTM D7647	>4	1	4	<u> </u>



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: KCPA003651 Lab Number : 06218798

Received **Tested** Unique Number : 11096995

: 26 Jun 2024 Diagnosed : 26 Jun 2024 - Jonathan Hester Test Package : IND 2 (Additional Tests: KF, PrtCount)

: 24 Jun 2024

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)

Contact/Location: BRANDEN ? - GMAOAK

9824 KITTY LN

OAKLAND, CA

Contact: BRANDEN

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US 94603

T:

F: