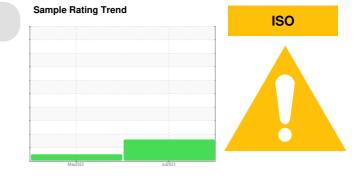


PROBLEM SUMMARY

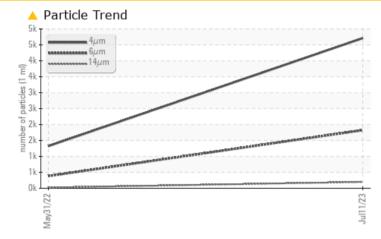


KAESER 2860339 (S/N 1159)

Compressor Fluid

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

COMPONENT CONDITION SUMMARY



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	NORMAL						
Particles >6µm	ASTM D7647 >1300	🔺 1824	383						
Particles >14µm	ASTM D7647 >80	198	22						
Particles >21µm	ASTM D7647 >20	<u> </u>	4						
Oil Cleanliness	ISO 4406 (c) >/17/13	3 🔺 19/18/15	18/16/12						

Customer Id: URBREN Sample No.: KCPA005413 Lab Number: 05904391 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Angela Borella +1 800-237-1369 angela.borella@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u> There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

31 May 2022 Diag: Doug Bogart



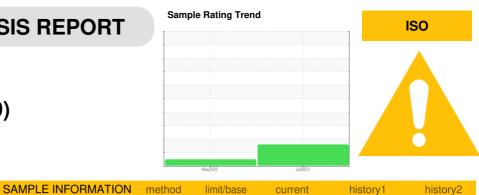


Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT



history1

history2

current

Machine Id KAESER 2860339 (S/N 1159) Component

Compressor Fluid

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.

SAMPLE INFORM		method	limit/base	current	nistory i	nistory2
Sample Number		Client Info		KCPA005413	KCP40747	
Sample Date		Client Info		11 Jul 2023	31 May 2022	
Machine Age	hrs	Client Info		43922	37171	
Oil Age	hrs	Client Info		0	6000	
Oil Changed		Client Info		N/A	Changed	
Sample Status				ABNORMAL	NORMAL	
			1			
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>3	0	0	
Titanium	ppm	ASTM D5185m	>3	<1	0	
Silver	ppm	ASTM D5185m	>2	0	<1	
Aluminum	ppm	ASTM D5185m	>10	<1	2	
Lead	ppm	ASTM D5185m	>10	0	<1	
Copper	ppm	ASTM D5185m	>50	4	6	
Tin	ppm	ASTM D5185m	>10	0	0	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		0	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	
Barium	ppm	ASTM D5185m	90	0	4	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m	100	20	22	
Calcium	ppm	ASTM D5185m	0	<1	0	
Phosphorus	ppm	ASTM D5185m	0	<1	6	
Zinc	ppm	ASTM D5185m	0	55	16	
Sulfur	ppm	ASTM D5185m	23500	23566	19431	
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	8	4	
Sodium	ppm	ASTM D5185m		7	2	
Potassium	ppm	ASTM D5185m	>20	0	2	
Water	%	ASTM D6304	>0.05	0.005	0.008	
ppm Water	ppm	ASTM D6304	>500	52.0	86.2	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		4711	1324	
Particles >6µm		ASTM D7647	>1300	<u> </u>	383	
Particles >14µm		ASTM D7647	>80	<u> </u>	22	
Particles >21µm		ASTM D7647	>20	4 8	4	
Particles >38µm		ASTM D7647	>4	2	0	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	1 9/18/15	18/16/12	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.47	0.44	
	ing NOLI/9	70 IN D0040	1.0	0.77	0.77	



OIL ANALYSIS REPORT

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FLUID PROPERTIES

SAMPLE IMAGES

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history1

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history2

history

history2

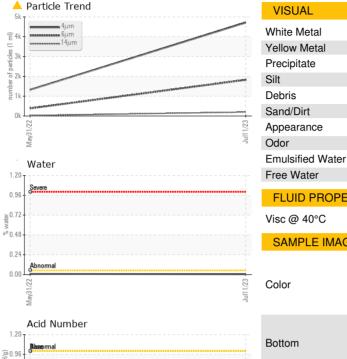
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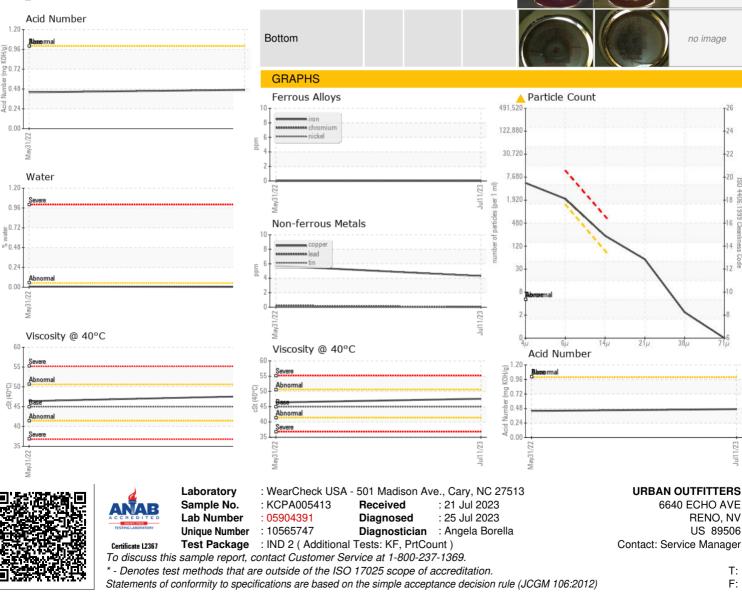
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