

PROBLEM SUMMARY

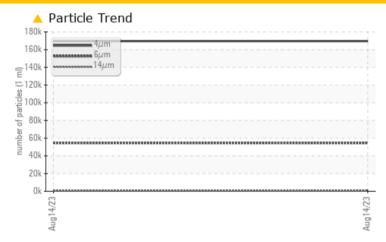
1430226 (S/N 3110181) Component

Compressor

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

Sample Rating Trend ISO

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS									
Sample Status			ABNORMAL						
Particles >6µm	ASTM D7647	>1300	△ 54579						
Particles >14μm	ASTM D7647	>80	A 861						
Particles >21µm	ASTM D7647	>20	142						
Particles >38μm	ASTM D7647	>4	<u>^</u> 8						
Oil Cleanliness	ISO 4406 (c)	>/17/13	25/23/17						

Customer Id: SMIHIG Sample No.: KCPA006600 Lab Number: 05930420 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Change Fluid			?	Oil and filter change at the time of sampling has been noted.		
Change Filter			?	Oil and filter change at the time of sampling has been noted.		

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend ISO

1430226 (S/N 3110181)

Compressor

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

DIAGNOSIS

Recommendation

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.

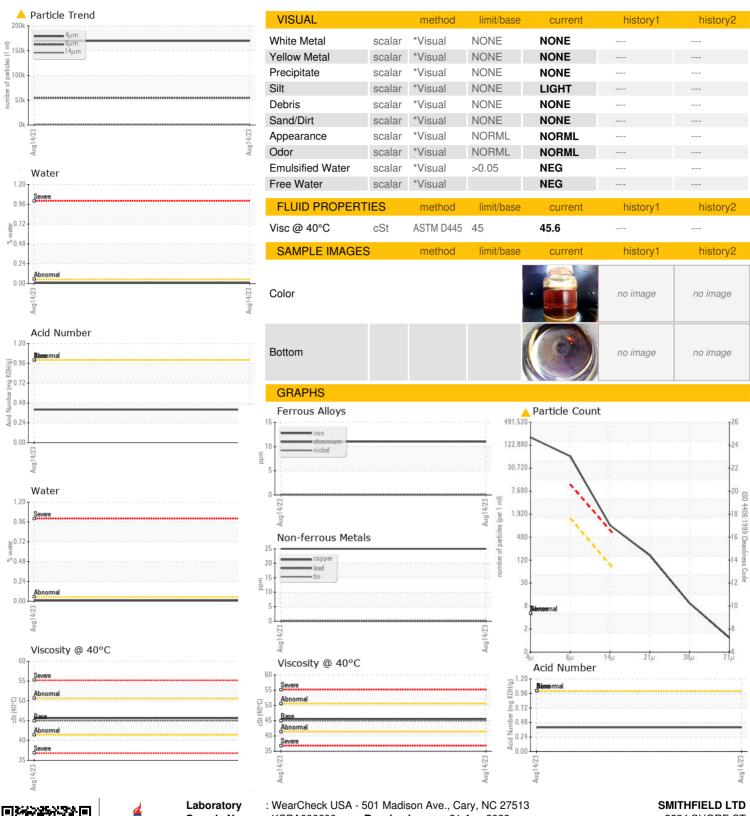
Fluid Condition

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

				Aug2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA006600		
Sample Date		Client Info		14 Aug 2023		
Machine Age	hrs	Client Info		77784		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	11		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>3	0		
Titanium	ppm	ASTM D5185m	>3	0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>10	0		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>50	25		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0		
Barium	ppm	ASTM D5185m	90	0		
Molybdenum	ppm	ASTM D5185m	0	0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m	100	0		
Calcium	ppm	ASTM D5185m	0	0		
Phosphorus	ppm	ASTM D5185m	0	112		
Zinc	ppm	ASTM D5185m	0	51		
Sulfur	ppm	ASTM D5185m	23500	20382		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2		
Sodium	ppm	ASTM D5185m		1		
Potassium	ppm	ASTM D5185m		0		
Water	%	ASTM D6304	>0.05	0.010		
ppm Water	ppm	ASTM D6304	>500	105.3		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		169615		
Particles >6µm		ASTM D7647	>1300	<u> 54579</u>		
Particles >14μm		ASTM D7647	>80	<u>A</u> 861		
Particles >21μm		ASTM D7647	>20	<u> </u>		
Particles >38μm		ASTM D7647	>4	<u>^</u> 8		
Particles >71µm		ASTM D7647	>3	1		
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>\$\text{\scale}\$ 25/23/17</u>		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.40		



OIL ANALYSIS REPORT





Sample No. Lab Number **Unique Number**

: 05930420

: KCPA006600

Received Diagnosed

: 21 Aug 2023 : 23 Aug 2023 Diagnostician : Jonathan Hester

: IND 2 (Additional Tests: KF, PrtCount)

Test Package Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

: 10615691

* - 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)

HIGH POINT, NC US 27263

Contact: Service Manager

T: F: