

PROBLEM SUMMARY

Sample Rating Trend

VISCOSITY

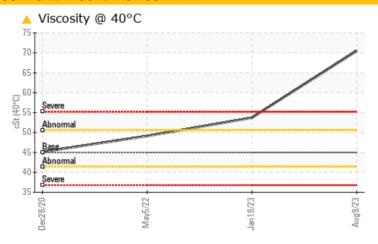
Machine Id **6799259 (S/N 1584)**

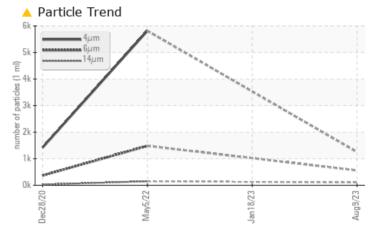
Component

Compressor

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

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				ATTENTION	ABNORMAL	ATTENTION			
Particles >14µm		ASTM D7647	>80	<u> </u>		<u> </u>			
Particles >21μm		ASTM D7647	>20	▲ 38		△ 54			
Oil Cleanliness		ISO 4406 (c)	>/17/13	17/16/14		<u>^</u> 20/18/14			
Visc @ 40°C	cSt	ASTM D445	45	70.47	53.7	49.1			

Customer Id: GEISUW Sample No.: KCPA002682 Lab Number: 05930396 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

18 Jan 2023 Diag: Doug Bogart

VIS DEBRIS



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. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

05 May 2022 Diag: Don Baldridge

ISO



Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



28 Dec 2020 Diag: Jonathan Hester

NORMAL



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

Sample Rating Trend



VISCOSITY



6799259 (S/N 1584)

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 moderate amount of particulates present in the oil.

Fluid Condition

Viscosity of sample indicates oil is within ISO 68 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

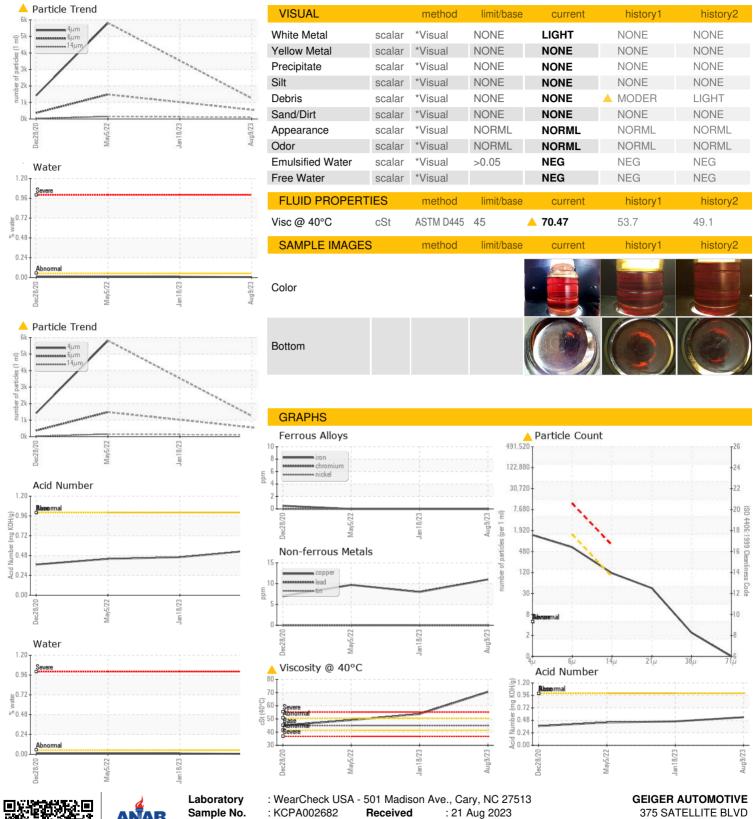
	Onc2020 Mary2022 Jan2023 Aug2023						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		KCPA002682	KCP54930	KCP48065	
Sample Date		Client Info		09 Aug 2023	18 Jan 2023	05 May 2022	
Machine Age	hrs	Client Info		20169	15788	9637	
Oil Age	hrs	Client Info		1444	4390	2500	
Oil Changed		Client Info		Changed	Not Changd	Changed	
Sample Status				ATTENTION	ABNORMAL	ATTENTION	
WEAR METALS		method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>50	0	0	0	
Chromium	ppm	ASTM D5185m	>10	0	0	0	
Nickel	ppm	ASTM D5185m	>3	0	0	0	
Titanium	ppm	ASTM D5185m	>3	0	0	0	
Silver	ppm	ASTM D5185m	>2	0	0	<1	
Aluminum	ppm	ASTM D5185m	>10	0	0	0	
Lead	ppm	ASTM D5185m	>10	0	0	0	
Copper	ppm	ASTM D5185m	>50	11	8	10	
Tin	ppm	ASTM D5185m	>10	0	0	0	
Antimony	ppm	ASTM D5185m					
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	0	0	0	1	
Barium	ppm	ASTM D5185m	90	0	<1	0	
Molybdenum	ppm	ASTM D5185m	0	0	0	0	
Manganese	ppm	ASTM D5185m		0	0	<1	
Magnesium	ppm	ASTM D5185m	100	0	<1	0	
Calcium	ppm	ASTM D5185m	0	0	0	0	
Phosphorus	ppm	ASTM D5185m	0	0	<1	9	
Zinc	ppm	ASTM D5185m	0	0	0	0	
Sulfur	ppm	ASTM D5185m	23500	29167	17646	13173	
CONTAMINANTS	1	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	2	1	0	
Sodium	ppm	ASTM D5185m		2	0	1	
Potassium	ppm	ASTM D5185m	>20	0	<1	0	
Water	%	ASTM D6304	>0.05	0.006	0.010	0.009	
ppm Water	ppm	ASTM D6304	>500	69.7	106.8	90.0	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2	
Particles >4μm		ASTM D7647		1252		5813	
Particles >6µm		ASTM D7647	>1300	558		<u></u> 1484	
Particles >14μm		ASTM D7647	>80	<u> </u>		<u> </u>	
Particles >21µm		ASTM D7647	>20	△ 38		△ 54	
Particles >38μm		ASTM D7647	>4	2		3	
Particles >71µm		ASTM D7647	>3	0		0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	17/16/14		<u>^</u> 20/18/14	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2	

0.46

0.44



OIL ANALYSIS REPORT







Sample No. Lab Number **Unique Number**

: 05930396

: KCPA002682 : 10615667

Received Diagnosed

: 24 Aug 2023 Diagnostician : Jonathan Hester

Contact: Service Manager

Test Package : IND 2 (Additional Tests: KF, PrtCount) 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.

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

SUWANEE, GA

US 30024

T: F: