

PROBLEM SUMMARY

Sample Rating Trend

VISCOSITY

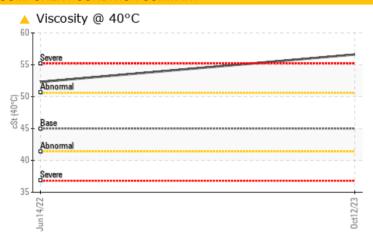
KAESER 1777273

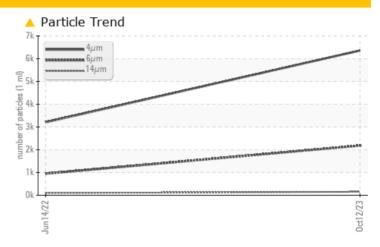
Component

Compressor

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				ATTENTION	ATTENTION					
Particles >6µm		ASTM D7647	>1300	2183	950					
Particles >14µm		ASTM D7647	>80	152	4 96					
Particles >21µm		ASTM D7647	>20	A 28	21					
Oil Cleanliness		ISO 4406 (c)	>/17/13	20/18/14	<u> </u>					
Visc @ 40°C	cSt	ASTM D445	45	<u>▲</u> 56.61	52.32					

Customer Id: MASRIC Sample No.: KCPA006877 Lab Number: 05997421 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 dougb@wearcheckusa.com

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

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

14 Jun 2022 Diag: Angela Borella

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 silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT



VISCOSITY



KAESER 1777273

Component

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 moderate amount of particulates present in the oil.

Fluid Condition

The oil viscosity is higher than normal. The AN level is acceptable for this fluid.

			Jun 2022	Oct2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA006877	KCP41390	
Sample Date		Client Info		12 Oct 2023	14 Jun 2022	
Machine Age	hrs	Client Info		31400	26887	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	Changed	
Sample Status				ATTENTION	ATTENTION	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	
Chromium	ppm	ASTM D5185m	>10	<1	0	
Nickel	ppm	ASTM D5185m	>3	0	0	
Titanium	ppm	ASTM D5185m	>3	0	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>10	<1	0	
Lead	ppm	ASTM D5185m	>10	0	0	
Copper	ppm	ASTM D5185m	>50	3	<1	
Tin	ppm	ASTM D5185m	>10	0	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	<1	
Barium	ppm	ASTM D5185m	90	65	0	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m	100	60	0	
Calcium	ppm	ASTM D5185m	0	2	0	
Phosphorus	ppm	ASTM D5185m	0	6	10	
Zinc	ppm	ASTM D5185m	0	12	16	
Sulfur	ppm	ASTM D5185m	23500	9928	88	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	
Sodium	ppm	ASTM D5185m		35	8	
Potassium	ppm	ASTM D5185m	>20	4	0	
Water	%	ASTM D6304	>0.05	0.022	0.001	
ppm Water	ppm	ASTM D6304	>500	224.8	13.1	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		6359	3209	
Particles >6µm		ASTM D7647	>1300	<u> </u>	950	
Particles >14μm		ASTM D7647	>80	<u> </u>	△ 96	
Particles >21µm		ASTM D7647	>20	<u>^</u> 28	21	
Particles >38μm		ASTM D7647	>4	0	3	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>20/18/14</u>	1 9/17/14	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
A a lat Niconala a v. (ANI)	I/OII/-	ACTM DODAE	4.0	0.07	0.400	

Acid Number (AN)

mg KOH/g ASTM D8045 1.0

0.103

0.27



OIL ANALYSIS REPORT







Certificate L2367

Sample No. Lab Number **Unique Number**

: 05997421

: 10725781

Received Diagnosed

: 07 Nov 2023 Diagnostician : Doug Bogart

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)

RICE LAKE, WI US 54868

Contact: Service Manager

T: F: