

# **PROBLEM SUMMARY**

Sample Rating Trend

VISCOSITY

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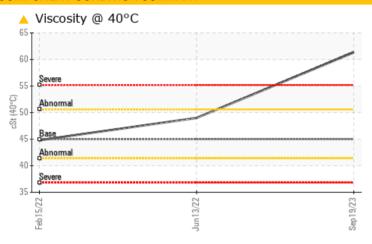
7892788 (S/N 1103)

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	NORMAL	NORMAL			
Visc @ 40°C	cSt	ASTM D445	45	<b>△</b> 61.34	49.0	44.8			

Customer Id: THMMOR Sample No.: KCPA006620 Lab Number: 05960643 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**

There are no recommended actions for this sample.

# HISTORICAL DIAGNOSIS

# 13 Jun 2022 Diag: Doug Bogart

#### 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.



## 15 Feb 2022 Diag: Jonathan Hester

#### NORMAL

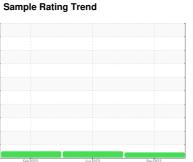


Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





# **OIL ANALYSIS REPORT**



**VISCOSITY** 

7892788 (S/N 1103)

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 no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

## Fluid Condition

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

		Feb	2022	Jun2022 Sep202	3	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA006620	KCP48478	KCP40974
Sample Date		Client Info		19 Sep 2023	13 Jun 2022	15 Feb 2022
Machine Age	hrs	Client Info		14688	6391	3830
Oil Age	hrs	Client Info		0	6000	3830
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				ATTENTION	NORMAL	NORMAL
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	1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	8	8	11
Tin	ppm	ASTM D5185m	>10	<1	0	0
Antimony	ppm	ASTM D5185m				<1
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	0
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	100	1	0	0
Calcium	ppm	ASTM D5185m	0	<1	0	0
Phosphorus	ppm	ASTM D5185m	0	3	3	0
Zinc	ppm	ASTM D5185m	0	0	0	0
Sulfur	ppm	ASTM D5185m	23500	17350	16651	13194
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	1	<1	<1
Sodium	ppm	ASTM D5185m		4	<1	0
Potassium	ppm	ASTM D5185m	>20	1	0	0
Water	%	ASTM D6304	>0.05	0.006	0.005	0.003
ppm Water	ppm	ASTM D6304	>500	69.7	56.3	28.2
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		1325	509	384
Particles >6µm		ASTM D7647	>1300	284	203	108
Particles >14μm		ASTM D7647	>80	19	42	12
Particles >21μm		ASTM D7647	>20	7	13	4
Particles >38μm		ASTM D7647	>4	0	2	0
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	18/15/11	16/15/13	14/11
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2



# **OIL ANALYSIS REPORT**

