

# **PROBLEM SUMMARY**

Sample Rating Trend



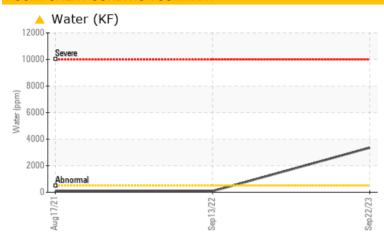
KAESER 7458329

Component

Compressor

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

## **COMPONENT CONDITION SUMMARY**



### RECOMMENDATION

The filter change at the time of sampling has been noted. We advise that you stop the unit and follow the water drain-off procedure for this component. We recommend an early resample in 500 hours to monitor this condition.

PROBLEMATIC TEST RESULTS											
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL					
Water	%	ASTM D6304	>0.05	<b>△</b> 0.336	0.008	0.008					
ppm Water	ppm	ASTM D6304	>500	<b>3360</b>	84.4	85.1					

Customer Id: MONMISMT Sample No.: KC125282 Lab Number: 05960687 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 ihester@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 Sep 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 high 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.



### 17 Aug 2021 Diag: Jonathan Hester

ISO

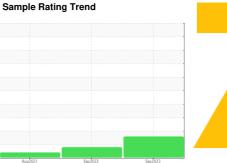


Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





# **OIL ANALYSIS REPORT**



**WATER** 

# **KAESER 7458329**

Component

Compressor

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

## **DIAGNOSIS**

#### Recommendation

The filter change at the time of sampling has been noted. We advise that you stop the unit and follow the water drain-off procedure for this component. We recommend an early resample in 500 hours to monitor this condition.

### Wear

All component wear rates are normal.

#### Contamination

There is a moderate concentration of water present in the oil. The amount and size of particulates present in the system are acceptable.

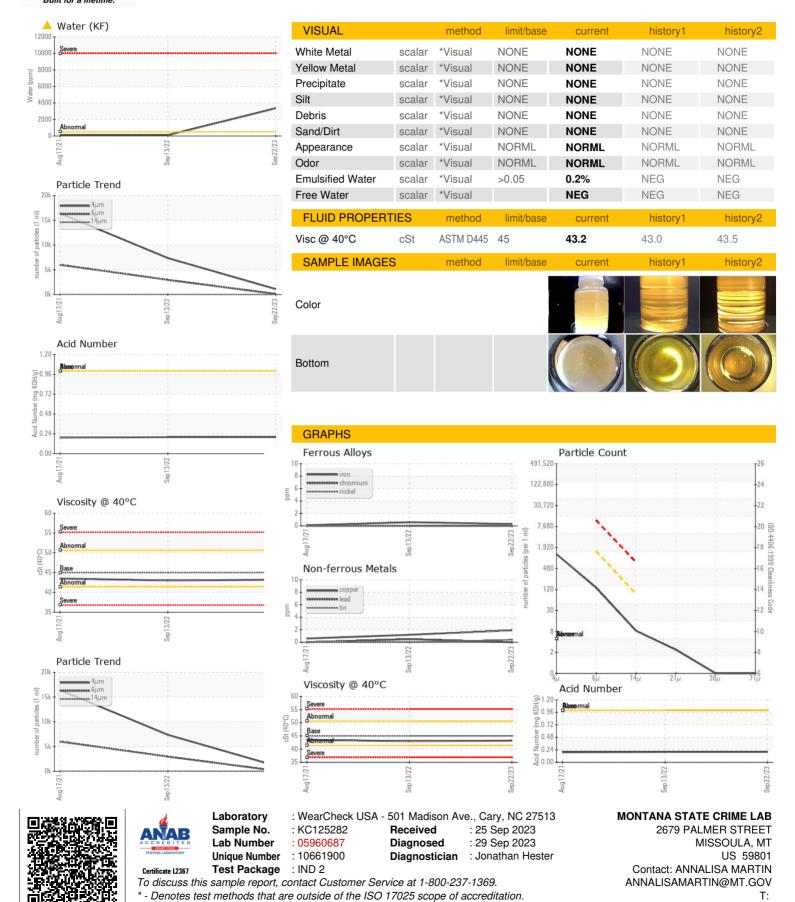
### **Fluid Condition**

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

		Au	g2021	Sep2022 Sep20	23	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC125282	KC98293	KC100087
Sample Date		Client Info		22 Sep 2023	13 Sep 2022	17 Aug 2021
Machine Age	hrs	Client Info		370	205	18
Oil Age	hrs	Client Info		0	187	18
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	<1	<1
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	0
Aluminum	ppm	ASTM D5185m	>10	0	0	<1
Lead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm	ASTM D5185m	>50	2	1	<1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Antimony	ppm	ASTM D5185m				0
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	13
Barium	ppm	ASTM D5185m	90	0	0	22
Molybdenum	ppm	ASTM D5185m	0	<1	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	100	18	8	25
Calcium	ppm	ASTM D5185m	0	<1	0	0
Phosphorus	ppm	ASTM D5185m	0	4	4	3
Zinc	ppm	ASTM D5185m	0	15	15	4
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	0
Sodium	ppm	ASTM D5185m		6	0	3
Potassium	ppm	ASTM D5185m	>20	2	2	2
Water	%	ASTM D6304	>0.05	<b>△</b> 0.336	0.008	0.008
ppm Water	ppm	ASTM D6304	>500	<b>△</b> 3360	84.4	85.1
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		1088	7359	16363
Particles >6µm		ASTM D7647	>1300	119	<u>^</u> 2955	<u>△</u> 5997
Particles >14µm		ASTM D7647	>80	7	41	56
Particles >21µm		ASTM D7647	>20	2	3	7
Particles >38µm		ASTM D7647	>4	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	17/14/10	<b>2</b> 0/19/13	△ 20/13
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.20	0.20	0.193



## **OIL ANALYSIS REPORT**



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

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