

# **PROBLEM SUMMARY**

V

Sample Rating Trend

VIS DEBRIS

8778932 (S/N 2054)

Component

Compressor

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

COMPONENT CONDITION SUMMARY

No relevant graphs to display

### RECOMMENDATION

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.

PROBLEMATIC TEST RESULTS							
Sample Status				ABNORMAL			
Debris	scalar	*Visual	NONE	▲ MODER			

Customer Id: COGMON Sample No.: KCPA001057 Lab Number: 05962894 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			
Alert			?	We were unable to perform a particle count due to a high concentration of particles present in this sample.			



# **OIL ANALYSIS REPORT**

T

Sample Rating Trend

VIS DEBRIS

8778932 (S/N 2054)

Component

Compressor

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

### DIAGNOSIS

#### Recommendation

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.

### Wear

All component wear rates are normal.

#### Contamination

Moderate concentration of visible dirt/debris present in the oil.

#### **Fluid Condition**

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

CAMPLE INCORM	ATION	una a tha a al		5ep2023	la i a ta un . 4	la i a ta m . O
SAMPLE INFORMA	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA001057		
Sample Date		Client Info		08 Sep 2023		
Machine Age	hrs	Client Info		1967		
- 3-	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>3	0		
Titanium	ppm	ASTM D5185m	>3	<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>10	0		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>50	10		
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		<1		
Magnesium	ppm	ASTM D5185m	100	0		
Calcium	ppm	ASTM D5185m	0	0		
Phosphorus	ppm	ASTM D5185m	0	5		
Zinc	ppm	ASTM D5185m	0	0		
Sulfur	ppm	ASTM D5185m	23500	16939		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	0		
Water	%	ASTM D6304	>0.05	0.013		
ppm Water	ppm	ASTM D6304	>500	130.5		
FLUID DEGRADAT	ΓΙΟΝ	method	limit/base	current	history1	history2
A siel Niversla au (ANI)		ACTM DODAE		0.00		

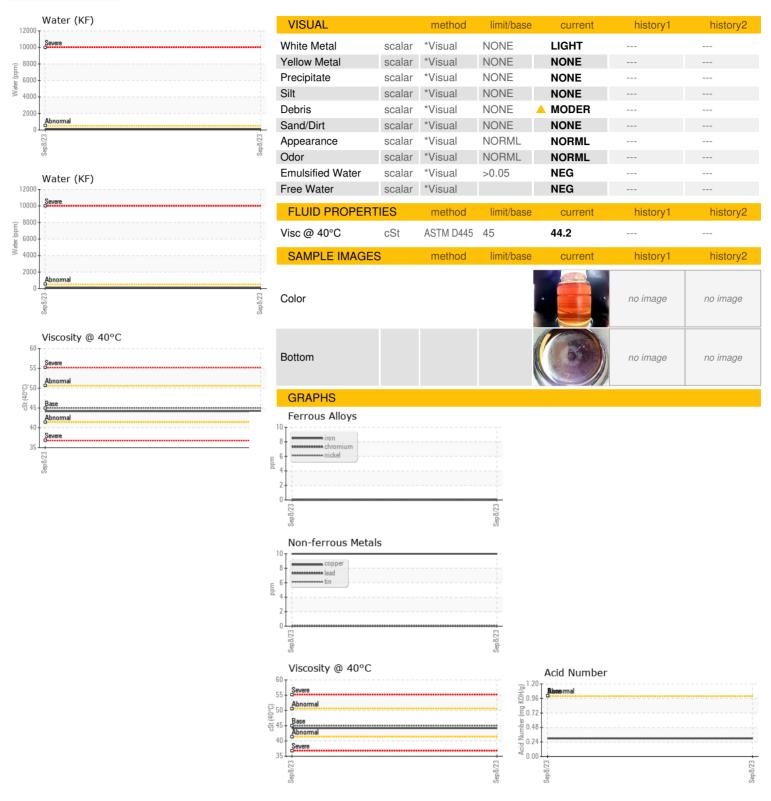
0.30

Acid Number (AN)

mg KOH/g ASTM D8045 1.0



## **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No. Lab Number Unique Number

: KCPA001057 : 05962894 : 10669445

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received Diagnosed

: 27 Sep 2023 : 29 Sep 2023

Diagnostician : Jonathan Hester

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)

**COGENTRIX - MPC GENERATING LLC** 

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