

# **PROBLEM SUMMARY**

Sample Rating Trend

ISO

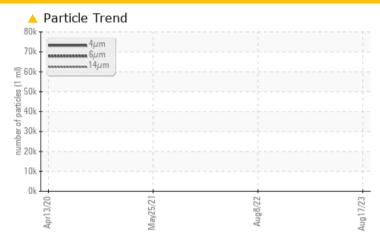
Machine Id **6902277 (S/N 1350)** 

Component

Compressor

KAESER SIGMA (OEM) S-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				ABNORMAL	ABNORMAL	ABNORMAL		
Particles >6µm		ASTM D7647	>1300	<b>△</b> 30039				
Particles >14μm		ASTM D7647	>80	<b>2955</b>				
Particles >21µm		ASTM D7647	>20	<b>A</b> 816				
Particles >38μm		ASTM D7647	>4	<b>4</b> 37				
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>^</u> 23/22/19				
Debris	scalar	*Visual	NONE	MODER	▲ MODER	▲ MODER		

Customer Id: FROBURNC Sample No.: KCPA002836 Lab Number: 05930391 Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data: Angela Borella +1 800-237-1369 angela.borella@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

#### 08 Aug 2022 Diag: Jonathan Hester

#### WATER



Oil and filter change at the time of sampling has been noted. We were unable to perform a particle count due to a high concentration of particles present in this sample. We recommend an early resample in 500 hours to monitor this condition. All component wear rates are normal. Free water present. There is a light concentration of water present in the oil. 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.



#### 25 May 2021 Diag: Jonathan Hester

#### WATER



Oil and filter change at the time of sampling has been noted. We recommend an early resample in 500 hours to monitor this condition. 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. There is a light concentration of water present in the oil. 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

#### 13 Apr 2020 Diag: Jonathan Hester

#### WATER



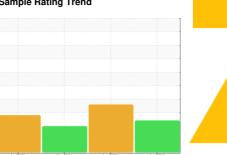
Oil and filter change at the time of sampling has been noted. We recommend an early resample in 500 hours to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Appearance is hazy. There is a light concentration of water present in the oil. High 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.





## **OIL ANALYSIS REPORT**

Sample Rating Trend



ISO

# 6902277 (S/N 1350)

Component

Compressor

KAESER SIGMA (OEM) S-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 high amount of particulates present in the oil. Moderate concentration of visible dirt/debris present in the oil.

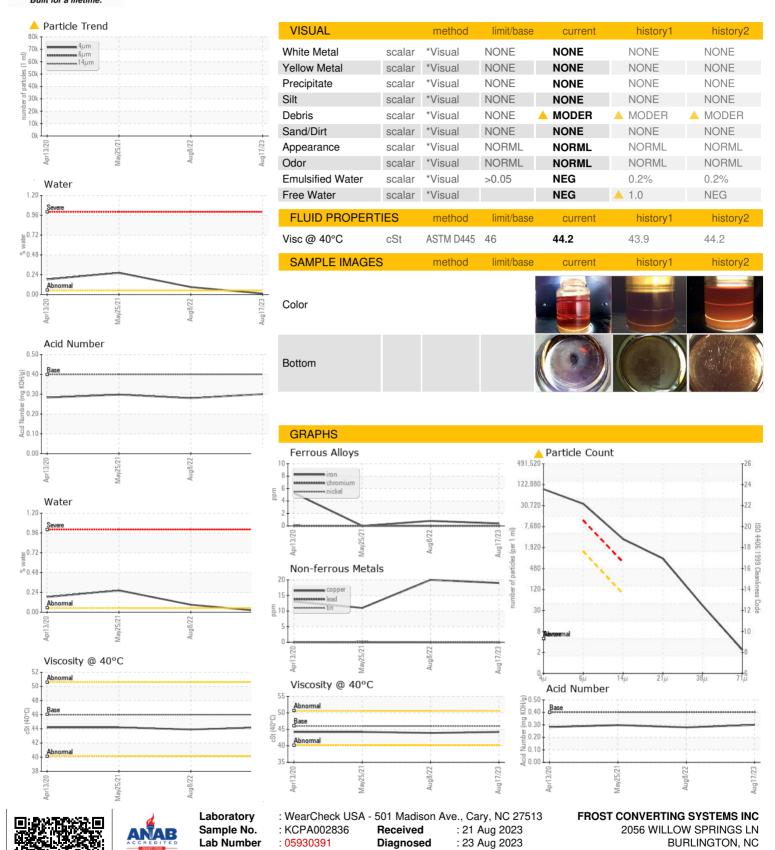
#### **Fluid Condition**

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

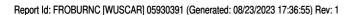
		Apr202	0 May2021	Aug2022 Au	g2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA002836	KC102817	KC92843
Sample Date		Client Info		17 Aug 2023	08 Aug 2022	25 May 2021
Machine Age	hrs	Client Info		9344	7126	4335
Oil Age	hrs	Client Info		8427	2200	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	<1	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	19	20	11
Tin	ppm	ASTM D5185m	>10	0	0	<1
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	<1	9
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	90	2	<1	<1
Calcium	ppm	ASTM D5185m	2	0	0	0
Phosphorus	ppm	ASTM D5185m		0	2	4
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		19262	12531	12477
CONTAMINANTS	)	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	0
Sodium	ppm	ASTM D5185m		4	<1	2
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water	%	ASTM D6304	>0.05	0.012	△ 0.091	<b>△</b> 0.264
ppm Water	ppm	ASTM D6304	>500	120.5	<u></u> 910	<u>^</u> 2640
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		78620		
Particles >6µm		ASTM D7647	>1300	<b>△</b> 30039		
Particles >14μm		ASTM D7647	>80	<b>2955</b>		
Particles >21µm		ASTM D7647	>20	<b>A</b> 816		
Particles >38µm		ASTM D7647	>4	<b>▲</b> 37		
Particles >71μm		ASTM D7647	>3	2		
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u> 23/22/19</u>		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.30	0.28	0.298



### **OIL ANALYSIS REPORT**



Diagnostician : Angela Borella



Certificate L2367

**Unique Number** 

: 10615662

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.

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

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

US 27215

T: F:

Contact: Service Manager