

# **PROBLEM SUMMARY**

Sample Rating Trend

ISO

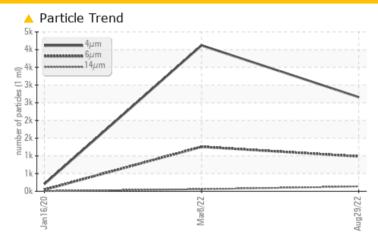
Machine Id **6867843 (S/N 2105)** 

Component

Compressor

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

# **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		ATTENTION	NORMAL	NORMAL			
Particles >14µm	ASTM D7647 >80	<b>136</b>	58	7			
Particles >21µm	ASTM D7647 >20	<b>44</b>	16	5			
Oil Cleanliness	ISO 4406 (c) >/17	7/13 <b>A 19/17/14</b>	17/13	13/10			

Customer Id: SCSSAN Sample No.: KCP30933 Lab Number: 05632375 Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data:

Don Baldridge +1 don.b505@comcast.net

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 Mar 2022 Diag: Don Baldridge

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.



## 16 Jan 2020 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**

Sample Rating Trend



ISO

# 6867843 (S/N 2105)

Compressor

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

# **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 moderate amount of particulates present in the oil.

### **Fluid Condition**

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

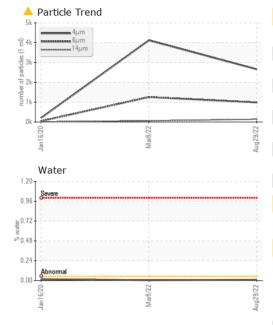
		Jar	2020	Mar2022 Aug20	122	
SAMPLE INFORM	MATION	method	limit/base	current	history 1	history 2
Sample Number				KCP30933	KCP38106	KC74308
Sample Date				29 Aug 2022	08 Mar 2022	16 Jan 2020
Machine Age	hrs			24528	20357	2015
Oil Age	hrs			4000	0	2015
Oil Changed				Changed	Changed	Changed
Sample Status				ATTENTION	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>50	0	0	<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	2	0	<1
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>50	9	7	2
Tin	ppm	ASTM D5185m	>10	<1	0	0
Antimony	ppm	ASTM D5185m			0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	90	0	0	48
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	100	9	<1	73
Calcium	ppm	ASTM D5185m	0	0	0	2
Phosphorus	ppm	ASTM D5185m	0	2	3	1
Zinc	ppm	ASTM D5185m	0	10	0	4
Sulfur	ppm	ASTM D5185m	23500	18645	13964	21343
CONTAMINANTS	3	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	1	2	1
Sodium	ppm	ASTM D5185m		1	0	14
Potassium	ppm	ASTM D5185m	>20	2	1	7
Water	%	ASTM D6304	>0.05	0.009	0.005	0.017
ppm Water	ppm	ASTM D6304	>500	97.7	51.5	170.0
FLUID CLEANLIN	IESS	method	limit/base	current	history 1	history 2
Particles >4μm		ASTM D7647		2658	4119	203
Particles >6µm		ASTM D7647	>1300	984	1256	44
Particles >14μm		ASTM D7647	>80	<b>136</b>	58	7
Particles >21µm		ASTM D7647	>20	<u>44</u>	16	5
Particles >38µm		ASTM D7647	>4	2	1	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u> </u>	17/13	13/10
FLUID DEGRADA	ATION	method	limit/base	current	history 1	history 2

0.40

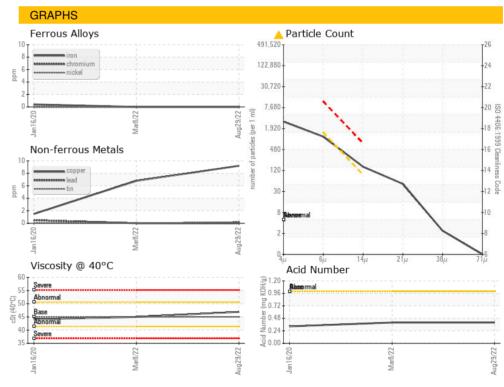
0.326



# **OIL ANALYSIS REPORT**



VISUAL		method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
<b>Emulsified Water</b>	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERTIES		method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445	45	46.9	45.0	44.1
SAMPLE IMAGES	3	method	limit/base	current	history 1	history 2
Color						
Bottom						







Laboratory Sample No. Unique Number : 10116896

Lab Number

: KCP30933 : 05632375

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

: 01 Sep 2022 : 03 Sep 2022 Diagnostician : Don Baldridge

SANFORD, NC Contact: Service Manager

SCS - STATIC CONTROL SOLUTIONS - DESCO IND

926 J R INDUSTRIAL DR

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)

USA 27332

T:

F: