

# **OIL ANALYSIS REPORT**

[73059605] 2758344 (S/N 1086)

Component

Compressor

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

# Sample Rating Trend ISO

#### 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.

				Jul2022		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCP40650		
Sample Date		Client Info		26 Jul 2022		
Machine Age	hrs	Client Info		127952		
Oil Age	hrs	Client Info		3000		
Oil Changed		Client Info		Changed		
Sample Status				ATTENTION		
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	0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>10	0		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>50	11		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES	le le	method	limit/base	current	history1	history2
Boron	nnm	ASTM D5185m	0	0		motory
Barium	ppm	ASTM D5185m	90	ں <1		
	ppm			0		
Mongonoo	ppm	ASTM D5185m ASTM D5185m	0	0		
Manganese Magnesium	ppm	ASTM D5185m	100	0		
ŭ	ppm			0		
Calcium	ppm	ASTM D5185m	0	2		
Phosphorus	ppm	ASTM D5185m	0			
Zinc	ppm	ASTM D5185m	0	0		
Sulfur	ppm	ASTM D5185m	23500	17838		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	0		
Water	%	ASTM D6304	>0.05	0.003		
ppm Water	ppm	ASTM D6304	>500	38.7		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		4057		
Particles >6µm		ASTM D7647	>1300	979		
Particles >14µm		ASTM D7647	>80	<b>98</b>		
Particles >21µm		ASTM D7647	>20	<b>23</b>		
Particles >38µm		ASTM D7647	>4	2		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>/17/13	<b>19/17/14</b>		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Asid Number (ANI)		ACTM DODAE	1.0	0.46		

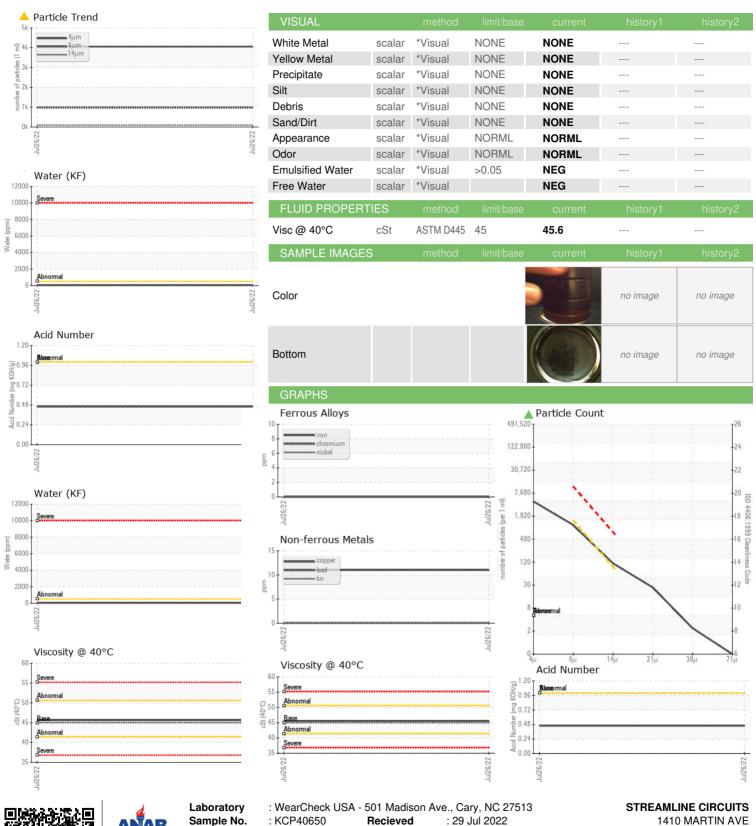
Acid Number (AN)

mg KOH/g ASTM D8045 1.0

0.46



## **OIL ANALYSIS REPORT**





Certificate L2367

Sample No. Lab Number **Unique Number** 

: KCP40650 : 05604510

: 10073991

Recieved Diagnosed

: 02 Aug 2022 Diagnostician : Don Baldridge

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) SANTA CLARA, CA US 95050

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