

### **OIL ANALYSIS REPORT**

Sample Rating Trend

ISO

Machine Id

# 3601587 (S/N 1036)

Component Compressor Fluid KAESER SIGMA (OEM) M-460 (--- GAL)

#### DIAGNOSIS

#### Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. 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.

#### Fluid Condition

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

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA019233	KCP10679	
Sample Date		Client Info		12 Jul 2024	03 Jun 2020	
Machine Age	hrs	Client Info		34387	0	
Oil Age	hrs	Client Info		3000	1175	
Oil Changed		Client Info		Changed	Changed	
Sample Status				ABNORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	<1	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>3	0	0	
Titanium	ppm	ASTM D5185m	>3	0	0	
Silver	ppm	ASTM D5185m	>2	0	<1	
Aluminum	ppm	ASTM D5185m	>10	1	<1	
Lead	ppm	ASTM D5185m	>10	0	<1	
Copper	ppm	ASTM D5185m	>50	2	2	
Tin	ppm	ASTM D5185m	>10	0	0	
Antimony	ppm	ASTM D5185m			0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES	1-1-1-1	method	limit/base	current	history1	history2
Boron	0000	ASTM D5185m	0	0	<1	
	ppm			u <1	29	
Barium	ppm		90			
Molybdenum	ppm	ASTM D5185m	0	0	<1 <1	
Manganese	ppm	ASTM D5185m	100	<1 59		
Magnesium	ppm	ASTM D5185m	100	58	53	
	ppm	ASTM D5185m		2	2	
Phosphorus	ppm	ASTM D5185m	0	1	5	
Zinc	ppm	ASTM D5185m		50	8	
Sulfur	ppm	ASTM D5185m	23500	20897	14398	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	1	<1	
Sodium	ppm	ASTM D5185m		25	17	
Potassium	ppm	ASTM D5185m	>20	3	2	
Water	%	ASTM D6304	>0.05	0.017	0.031	
ppm Water	ppm	ASTM D6304	>500	174	312.8	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		17427	1317	
Particles >6µm		ASTM D7647		<u> </u>	184	
Particles >14µm		ASTM D7647	>80	<mark>/</mark> 807	12	
Particles >21µm		ASTM D7647	>20	<u> </u>	4	
Particles >38µm		ASTM D7647	>4	<b>A</b> 15	0	
Particles >71µm		ASTM D7647	>3	1	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	<b>A</b> 21/20/17	15/11	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN) 36:50) Bey: 1	mg KOH/g	ASTM D8045	1.0	0.35 Contact/Loca	0.339 ation: C. STOCK	

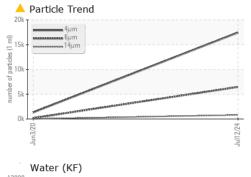
Report Id: COUOLI [WUSCAR] 06239573 (Generated: 07/19/2024 14:36:50) Rev: 1

Contact/Location: C. STOCKTON - COUOLI Page 1 of 2

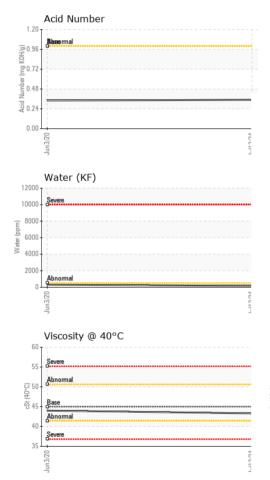


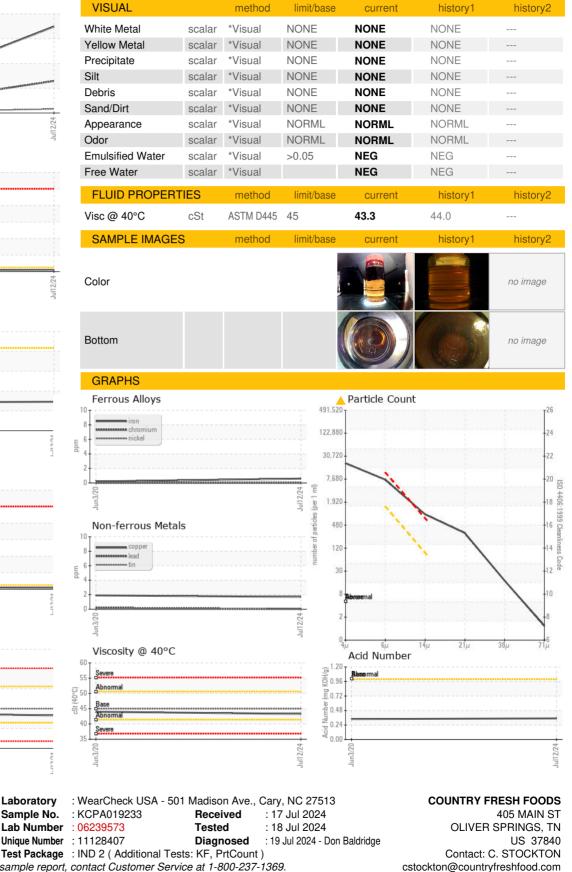
Built for a lifetime

## **OIL ANALYSIS REPORT**









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)

Report Id: COUOLI [WUSCAR] 06239573 (Generated: 07/19/2024 14:36:50) Rev: 1

Certificate 12367

Laboratory

Sample No.

Lab Number

Contact/Location: C. STOCKTON - COUOLI Page 2 of 2

T:

F: