

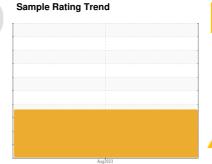
OIL ANALYSIS REPORT

1430590 (S/N 3111411)

Component

Compressor

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





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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. Elemental level of silicon (Si) above normal.

Fluid Condition

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

				Aug2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCP48406D		
Sample Date		Client Info		30 Aug 2023		
Machine Age	hrs	Client Info		44496		
Oil Age	hrs	Client Info		8000		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1		
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	13		
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		0		
Magnesium	ppm	ASTM D5185m	100	10		
Calcium	ppm	ASTM D5185m	0	0		
Phosphorus	ppm	ASTM D5185m	0	0		
Zinc	ppm	ASTM D5185m	0	72		
Sulfur	ppm	ASTM D5185m	23500	18256		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	42		
Sodium	ppm	ASTM D5185m		5		
Potassium	ppm	ASTM D5185m	>20	0		
Water	%	ASTM D6304	>0.05	0.013		
ppm Water	ppm	ASTM D6304	>500	137		
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		38869		
Particles >6µm		ASTM D7647	>1300	10663		
Particles >14μm		ASTM D7647	>80	△ 528		
Particles >21µm		ASTM D7647	>20	<u> </u>		
Particles >38μm		ASTM D7647	>4	<u> </u>		
Particles >71µm		ASTM D7647	>3	1		
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>22/21/16</u>		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Asid Number (ANI)	ma 1/011/a	ACTM DODAE	1.0	0.20		

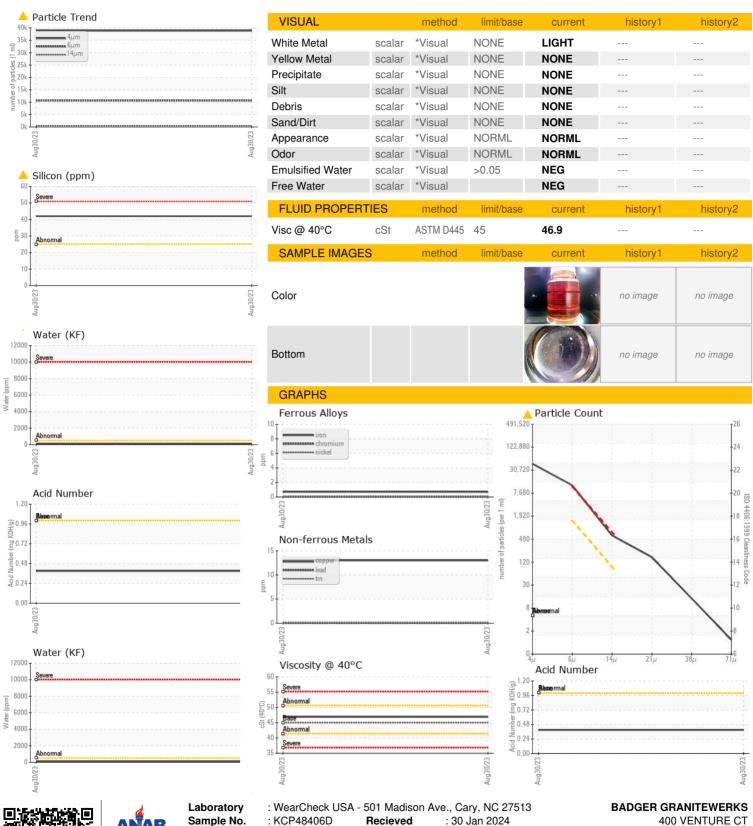
Acid Number (AN)

mg KOH/g ASTM D8045 1.0

0.39



OIL ANALYSIS REPORT







Certificate L2367

Sample No. Lab Number **Unique Number**

: KCP48406D : 06073939

: 10856030

Diagnosed

: 31 Jan 2024 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)

400 VENTURE CT VERONA, WI US 53593

Contact: Service Manager

T:

F: