

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER SX 5 8737009 (S/N 1446)

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

The copper level is abnormal. All other 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 acceptable for the time in service.

Iron ppm ASTM D5185m >50 0 Chromium ppm ASTM D5185m >10 0 Nickel ppm ASTM D5185m >3 <1 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 >10 <1 Vanadium ppm ASTM D5185m >10 <1 Vanadium ppm ASTM D5185m 0 0 Cadmium ppm ASTM D5185m 0 0 ADDITIVES method limit/base current history1 hi Barium ppm ASTM D5185m	story2
Machine Age hrs Client Info 3994 Oil Age hrs Client Info 3994 Oil Changed Client Info Changed Sample Status Imit Client Info Changed WEAR METALS method Imit/base current history1 Nickel ppm ASTM D5185m >10 0 Nickel ppm ASTM D5185m >3 <11	story2
Oil Age hrs Client Info 3994 Oil Changed Client Info Changed Sample Status Imathematical Client Info Changed WEAR METALS method Imit/base current history1 Iron ppm ASTM D5185m >50 0 Orhomium ppm ASTM D5185m >10 0 Nickel ppm ASTM D5185m >3 0 Aluminum ppm ASTM D5185m >2 0 Lead ppm ASTM D5185m >10 0 Cadmium ppm ASTM D5185m >10 <1	story2
Oil Changed Client Info Changed Sample Status method limit/base current history1 WEAR METALS method limit/base current history1 Iron ppm ASTM D5185m >50 0 Chromium ppm ASTM D5185m >10 0 Nickel ppm ASTM D5185m >3 <1 Nickel ppm ASTM D5185m >3 0 Aluminum ppm ASTM D5185m >10 0 Aluminum ppm ASTM D5185m >10 0	story2
Sample Status Image ABNORMAL Image Image	story2
WEAR METALS method limit/base current history1 hi Iron ppm ASTM D5185m >50 0	story2
Iron ppm ASTM D5185m >50 0 Chromium ppm ASTM D5185m >10 0 Nickel ppm ASTM D5185m >3 <1	story2
Chromium ppm ASTM D5185m >10 0 Nickel ppm ASTM D5185m >3 <1	
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Molybdenum ppm ASTM D5185m 0 0 Manganese ppm ASTM D5185m 1 Magnesium ppm ASTM D5185m 100 0 Calcium ppm ASTM D5185m 0 0 Calcium ppm ASTM D5185m 0 0 Phosphorus ppm ASTM D5185m 0 0 Zinc ppm ASTM D5185m 0 0 Sulfur ppm ASTM D5185m 23500 15987 CONTAMINANTS method limit/base current history1 history1 history1 Silicon ppm ASTM D5185m >25 <1	
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Sodium ppm ASTM D5185m 1 Potassium ppm ASTM D5185m >20 0 Water % ASTM D6304 >0.05 0.028	story2
Potassium ppm ASTM D5185m >20 0 Water % ASTM D6304 >0.05 0.028	
Water % ASTM D6304 >0.05 0.028	
ppm Water ppm ASTM D6304 >500 286	
FLUID CLEANLINESS method limit/base current history1 hi	
Particles >4μm ASTM D7647 12640	story2
Particles >6μm ASTM D7647 >1300 ▲ 6557	story2
Particles >14μm ASTM D7647 >80 ▲ 396	story2
Particles >21μm ASTM D7647 >20 ▲ 58	story2
Particles >38μm ASTM D7647 >4 2	story2
Particles >71μm ASTM D7647 >3 0	story2
Oil Cleanliness ISO 4406 (c) >/17/13 ▲ 21/20/16	story2
FLUID DEGRADATION method limit/base current history1 hi	story2
Acid Number (AN) mg KOH/g ASTM D8045 1.0 0.31	story2 story2



Built for a lifetime

14 12

=10k

61

21

0

12000

1000

800 (maa)

600 Water 400

200

6

50 4(Heine 30

20

10

1.20

(B/H0.9 KOH/8)

Ê0.72 वें 0.48

Pio 0.24

1200

1000

800 Water (ppm)

4000

2000

Abnorma

0.00

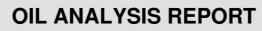
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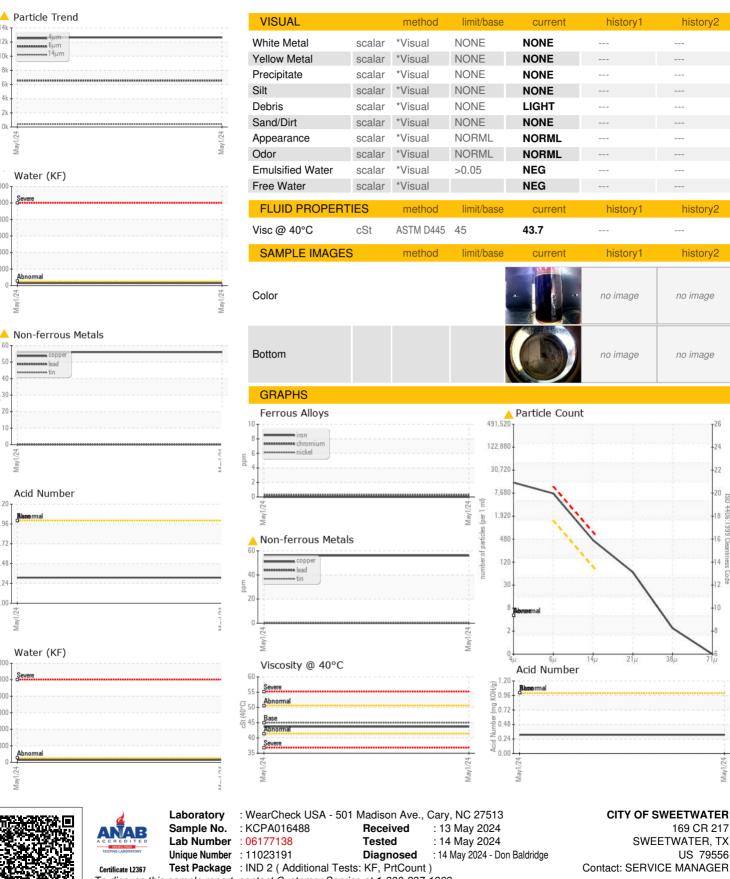
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To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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)

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