

OIL ANALYSIS REPORT

Sample Rating Trend



KAESER SM 15 AC 5063193 (S/N 1337)

Compressor

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

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

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

| | | | Nov2021 | Nov2022 | | |
|------------------|--------|--------------|------------|-------------|-------------|----------|
| SAMPLE INFORM | MATION | method | limit/base | current | history1 | history2 |
| Sample Number | | Client Info | | KC107650 | KC97503 | |
| Sample Date | | Client Info | | 16 Nov 2022 | 19 Nov 2021 | |
| Machine Age | hrs | Client Info | | 9069 | 7596 | |
| Oil Age | hrs | Client Info | | 1500 | 1970 | |
| Oil Changed | | Client Info | | Changed | Changed | |
| Sample Status | | | | NORMAL | NORMAL | |
| WEAR METALS | | method | limit/base | current | history1 | history2 |
| Iron | ppm | ASTM D5185m | >50 | <1 | 0 | |
| Chromium | ppm | ASTM D5185m | >10 | 0 | 0 | |
| Nickel | ppm | ASTM D5185m | >3 | <1 | 0 | |
| Titanium | ppm | ASTM D5185m | >3 | 0 | 0 | |
| Silver | ppm | ASTM D5185m | >2 | 0 | 0 | |
| Aluminum | ppm | ASTM D5185m | >10 | <1 | 0 | |
| Lead | ppm | ASTM D5185m | >10 | 0 | 0 | |
| Copper | ppm | ASTM D5185m | >50 | 2 | 4 | |
| 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 | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185m | 0 | 0 | <1 | |
| Barium | ppm | ASTM D5185m | 90 | 26 | 0 | |
| Molybdenum | ppm | ASTM D5185m | 0 | 0 | 0 | |
| Manganese | ppm | ASTM D5185m | | <1 | <1 | |
| Magnesium | ppm | ASTM D5185m | 100 | 83 | 53 | |
| Calcium | ppm | ASTM D5185m | 0 | 1 | 0 | |
| Phosphorus | ppm | ASTM D5185m | 0 | 8 | 0 | |
| Zinc | ppm | ASTM D5185m | 0 | 7 | 3 | |
| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | >25 | 14 | 10 | |
| Sodium | ppm | ASTM D5185m | | 15 | 12 | |
| Potassium | ppm | ASTM D5185m | >20 | 2 | 0 | |
| Water | % | ASTM D6304 | >0.05 | 0.022 | 0.022 | |
| ppm Water | ppm | ASTM D6304 | >500 | 221.0 | 222.0 | |
| FLUID CLEANLIN | IESS | method | limit/base | current | history1 | history2 |
| Particles >4µm | | ASTM D7647 | | 1781 | 2354 | |
| Particles >6µm | | ASTM D7647 | >1300 | 541 | 358 | |
| Particles >14μm | | ASTM D7647 | >80 | 11 | 17 | |
| Particles >21µm | | ASTM D7647 | >20 | 3 | 5 | |
| Particles >38µm | | ASTM D7647 | >4 | 0 | 0 | |
| Particles >71µm | | ASTM D7647 | >3 | 0 | 0 | |
| Oil Cleanliness | | ISO 4406 (c) | >17/13 | 16/11 | 16/11 | |
| FLUID DEGRADA | TION _ | method | limit/base | current | history1 | history2 |
| Acid Number (AN) | | | | 0.48 | 0.328 | |

Acid Number (AN)

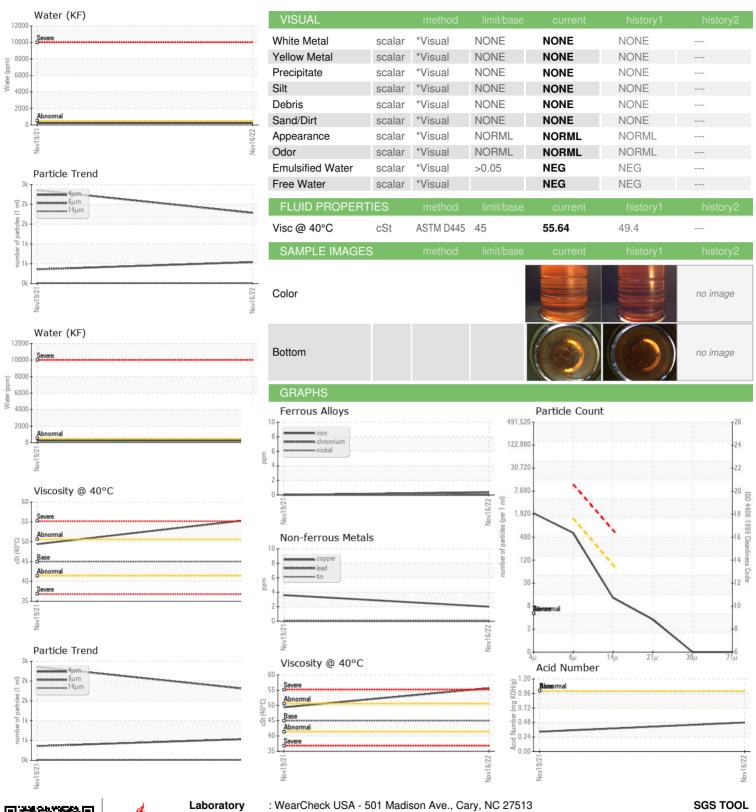
mg KOH/g ASTM D8045 1.0

0.328

0.48



OIL ANALYSIS REPORT





Certificate L2367

Sample No. Lab Number **Unique Number** Test Package

: KC107650 +05699796

: 10229370 : IND 2

: 21 Nov 2022 Recieved Diagnosed Diagnostician

: 24 Nov 2022 : Doug Bogart

54 S. MAIN ST. MONROE FALLS, OH US 44262

Contact: SERVICE MANAGER

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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