

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 8324973 (S/N 1597) Component

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

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. 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.

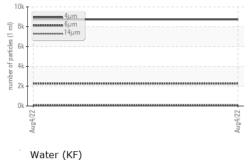
| SAMPLE INFORM | IATION | method | limit/base | current | history1 | history2 |
|------------------|----------|--------------|------------|-----------------|----------|----------|
| Sample Number | | Client Info | | KC103721 | | |
| Sample Date | | Client Info | | 04 Aug 2022 | | |
| Machine Age | hrs | Client Info | | 2255 | | |
| Oil Age | hrs | Client Info | | 2255 | | |
| Oil Changed | | Client Info | | Changed | | |
| Sample Status | | | | ATTENTION | | |
| 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 | <1 | | |
| Titanium | ppm | ASTM D5185m | >3 | 0 | | |
| Silver | ppm | ASTM D5185m | >2 | <1 | | |
| Aluminum | ppm | ASTM D5185m | >10 | 2 | | |
| Lead | ppm | ASTM D5185m | >10 | - <1 | | |
| Copper | ppm | ASTM D5185m | | 35 | | |
| Tin | ppm | ASTM D5185m | >10 | <1 | | |
| Vanadium | ppm | ASTM D5185m | | 0 | | |
| Cadmium | ppm | ASTM D5185m | | 0 | | |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185m | 0 | <1 | | |
| Barium | ppm | ASTM D5185m | 90 | 0 | | |
| Molybdenum | ppm | ASTM D5185m | 0 | 0 | | |
| Manganese | ppm | ASTM D5185m | | <1 | | |
| Magnesium | ppm | ASTM D5185m | 100 | 5 | | |
| Calcium | ppm | ASTM D5185m | 0 | 0 | | |
| Phosphorus | ppm | ASTM D5185m | 0 | 0 | | |
| Zinc | ppm | | 0 | 8 | | |
| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
| Silicon | ppm | | >25 | <1 | | |
| Sodium | ppm | ASTM D5185m | 0 | 3 | | |
| Potassium | ppm | ASTM D5185m | >20 | <1 | | |
| Water | % | ASTM D6304 | >0.05 | 0.00 | | |
| ppm Water | ppm | ASTM D6304 | >500 | 0.00 | | |
| FLUID CLEANLIN | IESS | method | limit/base | current | history1 | history2 |
| Particles >4µm | | ASTM D7647 | | 8732 | | |
| Particles >6µm | | ASTM D7647 | >1300 | ▲ 2265 | | |
| Particles >14µm | | ASTM D7647 | >80 | 100 | | |
| Particles >21µm | | ASTM D7647 | | 17 | | |
| Particles >38µm | | ASTM D7647 | >4 | 2 | | |
| Particles >71µm | | ASTM D7647 | >3 | 1 | | |
| Oil Cleanliness | | ISO 4406 (c) | >/17/13 | 20/18/14 | | |
| FLUID DEGRADA | | method | limit/base | current | history1 | history2 |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 1.0 | 0.32 | | |
| | _ 0 | | | | | |



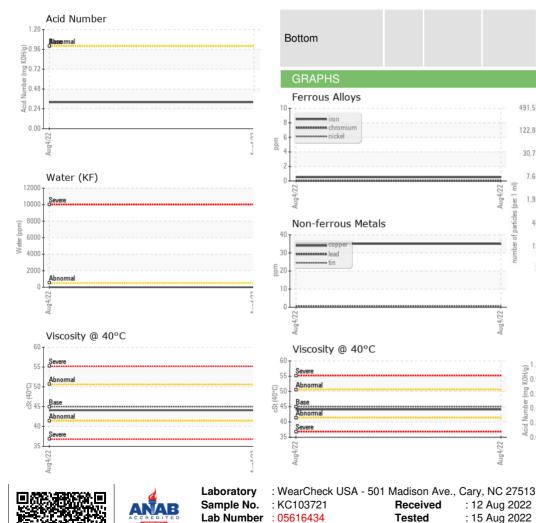
Built for a lifetime

🔺 Particle Trend

OIL ANALYSIS REPORT







41

30

10

60

40

35

Unique Number : 10090928

Test Package : IND 2

Aug4/22

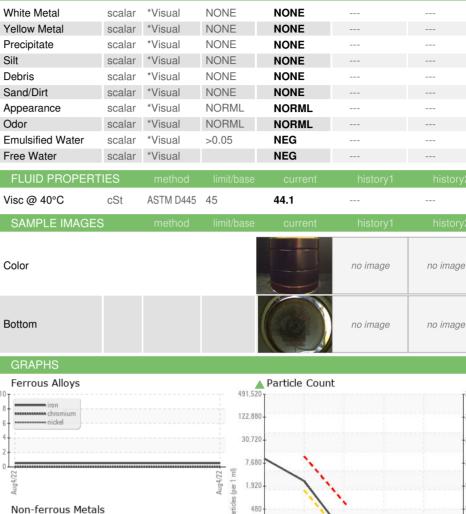
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To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Viscosity @ 40°C



120

30

(B/H0) MOX 0.96

Ê 0.72

e 0.48

Acid

: 15 Aug 2022 - Doug Bogart

0.24

0.00

Acid Number

Aug4/22

Aug4/22 -

: 12 Aug 2022

: 15 Aug 2022

Received

Diagnosed

Tested

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)



Certificate L2367

Contact/Location: Service Manager - GUACLE

214

38

GUARANTEED FINISHING

Contact: Service Manager

3200 W 121ST ST

CLEVELAND, OH

US 44111

T:

F:

4406

:1999 Cle

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