



PROBLEM SUMMARY

Sample Rating Trend



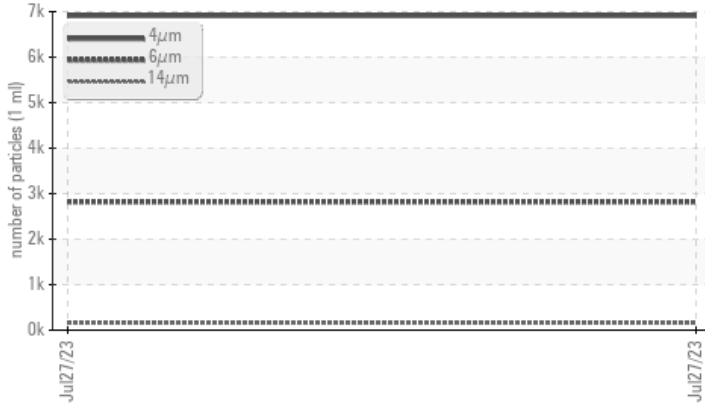
ISO



Machine Id
KAESER SK 15AC 8625733 (S/N 2098)
 Component
Compressor
 Fluid
KAESER SIGMA (OEM) S-460 (--- QTS)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

| Sample Status | | | ABNORMAL | --- | --- |
|-----------------|--------------|-----------|-------------------|-----|-----|
| Particles >6µm | ASTM D7647 | >1300 | ▲ 2818 | --- | --- |
| Particles >14µm | ASTM D7647 | >80 | ▲ 154 | --- | --- |
| Particles >21µm | ASTM D7647 | >20 | ▲ 23 | --- | --- |
| Oil Cleanliness | ISO 4406 (c) | >--/17/13 | ▲ 20/19/14 | --- | --- |

Customer Id: AMAMIA
 Sample No.: KC05926141
 Lab Number: 05926141
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Doug Bogart +1 (800)237-1369 x4016
dougb@wearcheckusa.com

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
KAESER SK 15AC 8625733 (S/N 2098)
 Component
Compressor
 Fluid
KAESER SIGMA (OEM) S-460 (--- QTS)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The 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 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 INFORMATION | | method | limit/base | current | history1 | history2 |
|--------------------|-------------|-------------|------------|--------------------|----------|----------|
| Sample Number | Client Info | | | KC05926141 | --- | --- |
| Sample Date | Client Info | | | 27 Jul 2023 | --- | --- |
| Machine Age | hrs | Client Info | | 1443 | --- | --- |
| Oil Age | hrs | Client Info | | 0 | --- | --- |
| Oil Changed | Client Info | | | N/A | --- | --- |
| 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 | <1 | --- | --- |
| Copper | ppm | ASTM D5185m | >50 | 2 | --- | --- |
| Tin | ppm | ASTM D5185m | >10 | <1 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | --- | --- |
| Cadmium | ppm | ASTM D5185m | | 0 | --- | --- |

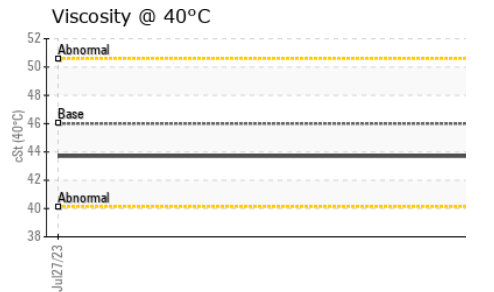
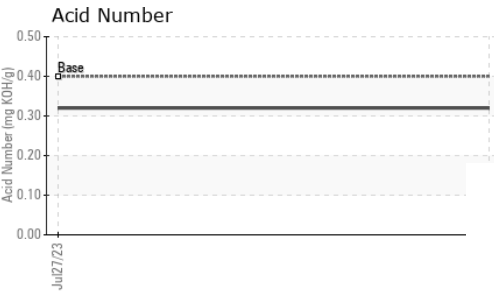
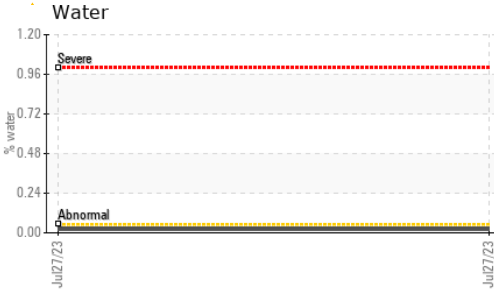
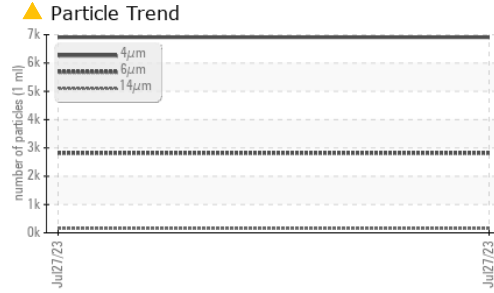
| ADDITIVES | | method | limit/base | current | history1 | history2 |
|------------|-----|-------------|------------|-----------|----------|----------|
| Boron | ppm | ASTM D5185m | | 0 | --- | --- |
| Barium | ppm | ASTM D5185m | 90 | 5 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | | 0 | --- | --- |
| Manganese | ppm | ASTM D5185m | | 0 | --- | --- |
| Magnesium | ppm | ASTM D5185m | 90 | 61 | --- | --- |
| Calcium | ppm | ASTM D5185m | 2 | 1 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | | 1 | --- | --- |
| Zinc | ppm | ASTM D5185m | | 4 | --- | --- |

| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
|--------------|-----|-------------|------------|--------------|----------|----------|
| Silicon | ppm | ASTM D5185m | >25 | <1 | --- | --- |
| Sodium | ppm | ASTM D5185m | | 6 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | 9 | --- | --- |
| Water | % | ASTM D6304 | >0.05 | 0.022 | --- | --- |
| ppm Water | ppm | ASTM D6304 | >500 | 227.2 | --- | --- |

| FLUID CLEANLINESS | | method | limit/base | current | history1 | history2 |
|-------------------|--|--------------|------------|-------------------|----------|----------|
| Particles >4µm | | ASTM D7647 | | 6908 | --- | --- |
| Particles >6µm | | ASTM D7647 | >1300 | ▲ 2818 | --- | --- |
| Particles >14µm | | ASTM D7647 | >80 | ▲ 154 | --- | --- |
| Particles >21µm | | ASTM D7647 | >20 | ▲ 23 | --- | --- |
| Particles >38µm | | ASTM D7647 | >4 | 1 | --- | --- |
| Particles >71µm | | ASTM D7647 | >3 | 0 | --- | --- |
| Oil Cleanliness | | ISO 4406 (c) | >--/17/13 | ▲ 20/19/14 | --- | --- |

| FLUID DEGRADATION | | method | limit/base | current | history1 | history2 |
|-------------------|----------|------------|------------|-------------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 0.4 | 0.32 | --- | --- |

OIL ANALYSIS REPORT



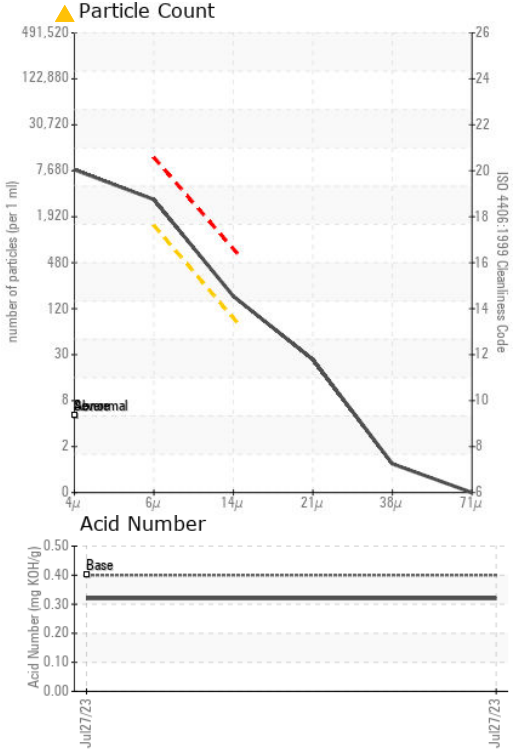
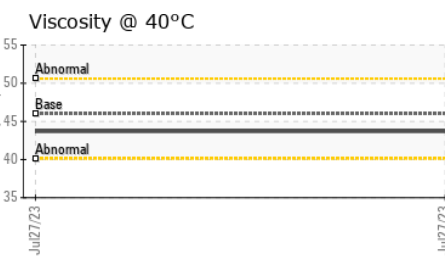
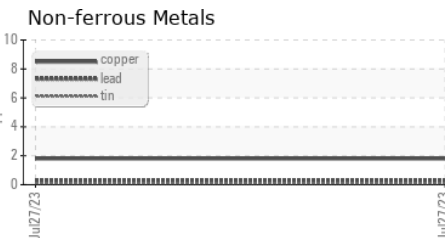
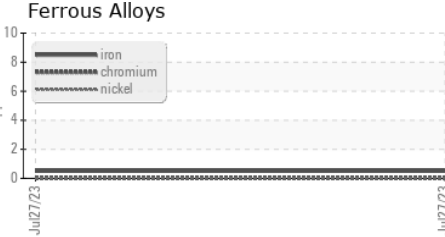
| PARAMETER | VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|---------|------------|--------------|----------|----------|
| White Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Precipitate | scalar | *Visual | NONE | NONE | --- | --- |
| Silt | scalar | *Visual | NONE | NONE | --- | --- |
| Debris | scalar | *Visual | NONE | LIGHT | --- | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | --- | --- |
| Appearance | scalar | *Visual | NORML | NORML | --- | --- |
| Odor | scalar | *Visual | NORML | NORML | --- | --- |
| Emulsified Water | scalar | *Visual | >0.05 | NEG | --- | --- |
| Free Water | scalar | *Visual | | NEG | --- | --- |

| PARAMETER | method | limit/base | current | history1 | history2 |
|------------------|--------|--------------|-------------|----------|----------|
| FLUID PROPERTIES | | | | | |
| Visc @ 40°C | cSt | ASTM D445 46 | 43.7 | --- | --- |

| PARAMETER | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|---------|----------|----------|
| SAMPLE IMAGES | | | | | |

| | | | | | |
|--------|--|--|--|----------|----------|
| Color | | | | no image | no image |
| Bottom | | | | no image | no image |

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KC05926141 **Received** : 16 Aug 2023
Lab Number : **05926141** **Diagnosed** : 17 Aug 2023
Unique Number : 10606088 **Diagnostician** : Doug Bogart
Test Package : IND 2

AMAZON - MIA5
 1900 NW 132ND PLACE
 MIAMI, FL
 US 33102
 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)

T:
F: