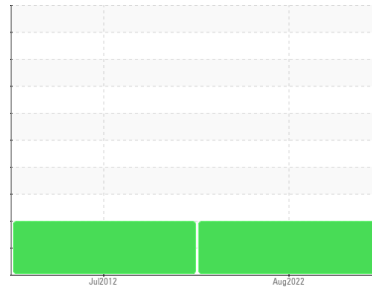


PROBLEM SUMMARY

Sample Rating Trend



ISO



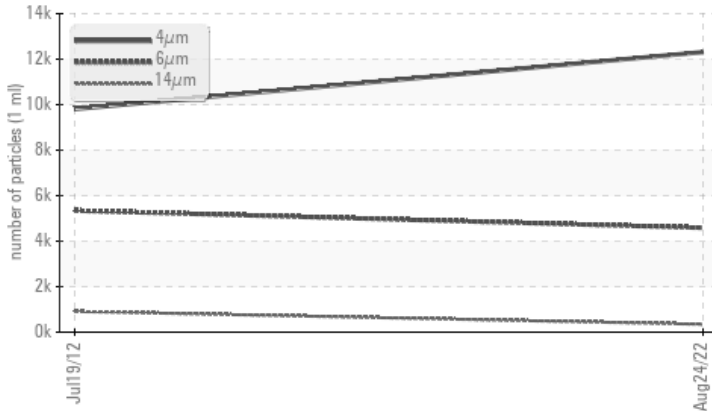
Machine Id
KAESER ASD 30 4085599 (S/N 1013)

Component
Compressor

Fluid
KAESER SIGMA (OEM) S-460 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

| Sample Status | | | ABNORMAL | ABNORMAL | --- |
|-----------------|--------------|-----------|-------------------|----------|-----|
| Particles >6µm | ASTM D7647 | >1300 | ▲ 4584 | ▲ 5342 | --- |
| Particles >14µm | ASTM D7647 | >80 | ▲ 346 | ▲ 910 | --- |
| Particles >21µm | ASTM D7647 | >20 | ▲ 84 | ▲ 307 | --- |
| Particles >38µm | ASTM D7647 | >4 | ▲ 8 | ▲ 47 | --- |
| Oil Cleanliness | ISO 4406 (c) | >--/17/13 | ▲ 21/19/16 | ▲ 20/17 | --- |

Customer Id: ROSFOR
Sample No.: KC85746
Lab Number: 05631688
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldrige +1
don.b505@comcast.net

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

RECOMMENDED ACTIONS

| Action | Status | Date | Done By | Description |
|---------------|--------|------|---------|---|
| Change Filter | --- | --- | ? | We recommend you service the filters on this component. |

HISTORICAL DIAGNOSIS

19 Jul 2012 Diag: Doug Bogart

ISO



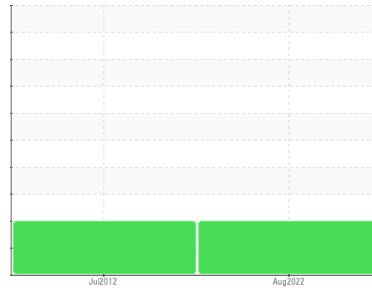
No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of particulates present in the oil. The condition of the oil is suitable for further service.

view report



Machine Id
KAESER ASD 30 4085599 (S/N 1013)

Component
Compressor
Fluid
KAESER SIGMA (OEM) S-460 (--- GAL)



DIAGNOSIS

▲ Recommendation

We recommend you service the filters on this component. 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 | history 1 | history 2 |
|---------------|--------|------------|--------------------|-------------|-----------|
| Sample Number | | | KC85746 | KC20246 | --- |
| Sample Date | | | 24 Aug 2022 | 19 Jul 2012 | --- |
| Machine Age | hrs | | 24607 | 3331 | --- |
| Oil Age | hrs | | 4508 | 3331 | --- |
| Oil Changed | | | N/A | N/A | --- |
| Sample Status | | | ABNORMAL | ABNORMAL | --- |

WEAR METALS

| | method | limit/base | current | history 1 | history 2 |
|----------|--------|-----------------|------------|-----------|-----------|
| Iron | ppm | ASTM D5185m >50 | 0 | 1 | --- |
| Chromium | ppm | ASTM D5185m >10 | 0 | 0 | --- |
| Nickel | ppm | ASTM D5185m >3 | 0 | 0 | --- |
| Titanium | ppm | ASTM D5185m >3 | 0 | 0 | --- |
| Silver | ppm | ASTM D5185m >2 | 0 | 0 | --- |
| Aluminum | ppm | ASTM D5185m >10 | 0 | <1 | --- |
| Lead | ppm | ASTM D5185m >10 | 0 | 0 | --- |
| Copper | ppm | ASTM D5185m >50 | 16 | 14 | --- |
| 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 | history 1 | history 2 |
|------------|--------|----------------|--------------|-----------|-----------|
| Boron | ppm | ASTM D5185m | 0 | <1 | --- |
| Barium | ppm | ASTM D5185m 90 | <1 | <1 | --- |
| Molybdenum | ppm | ASTM D5185m | 0 | 0 | --- |
| Manganese | ppm | ASTM D5185m | 0 | <1 | --- |
| Magnesium | ppm | ASTM D5185m 90 | <1 | 32 | --- |
| Calcium | ppm | ASTM D5185m 2 | 0 | <1 | --- |
| Phosphorus | ppm | ASTM D5185m | 2 | 2 | --- |
| Zinc | ppm | ASTM D5185m | 11 | 77 | --- |

CONTAMINANTS

| | method | limit/base | current | history 1 | history 2 |
|-----------|--------|------------------|--------------|-----------|-----------|
| Silicon | ppm | ASTM D5185m >25 | <1 | <1 | --- |
| Sodium | ppm | ASTM D5185m | 1 | 11 | --- |
| Potassium | ppm | ASTM D5185m >20 | 0 | 19 | --- |
| Water | % | ASTM D6304 >0.05 | 0.009 | 0.022 | --- |
| ppm Water | ppm | ASTM D6304 >500 | 92.2 | 220 | --- |

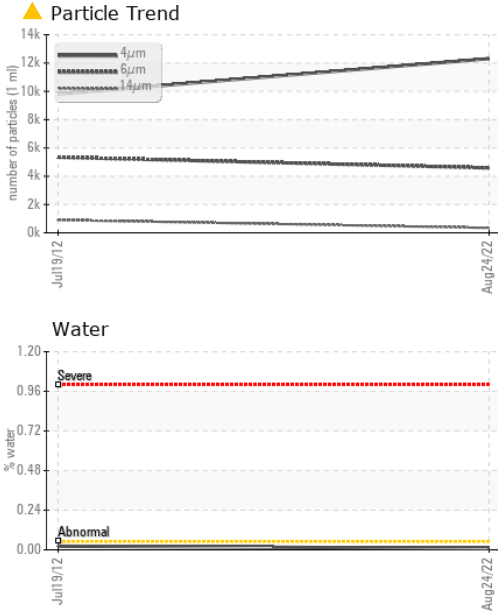
FLUID CLEANLINESS

| | method | limit/base | current | history 1 | history 2 |
|-----------------|--------------|------------|-------------------|-----------|-----------|
| Particles >4µm | ASTM D7647 | | 12310 | 9808 | --- |
| Particles >6µm | ASTM D7647 | >1300 | ▲ 4584 | ▲ 5342 | --- |
| Particles >14µm | ASTM D7647 | >80 | ▲ 346 | ▲ 910 | --- |
| Particles >21µm | ASTM D7647 | >20 | ▲ 84 | ▲ 307 | --- |
| Particles >38µm | ASTM D7647 | >4 | ▲ 8 | ▲ 47 | --- |
| Particles >71µm | ASTM D7647 | >3 | ▲ 1 | ▲ 4 | --- |
| Oil Cleanliness | ISO 4406 (c) | >--/17/13 | ▲ 21/19/16 | ▲ 20/17 | --- |

FLUID DEGRADATION

| | method | limit/base | current | history 1 | history 2 |
|------------------|----------|----------------|-------------|-----------|-----------|
| Acid Number (AN) | mg KOH/g | ASTM D8045 0.4 | 0.32 | 0.484 | --- |

OIL ANALYSIS REPORT

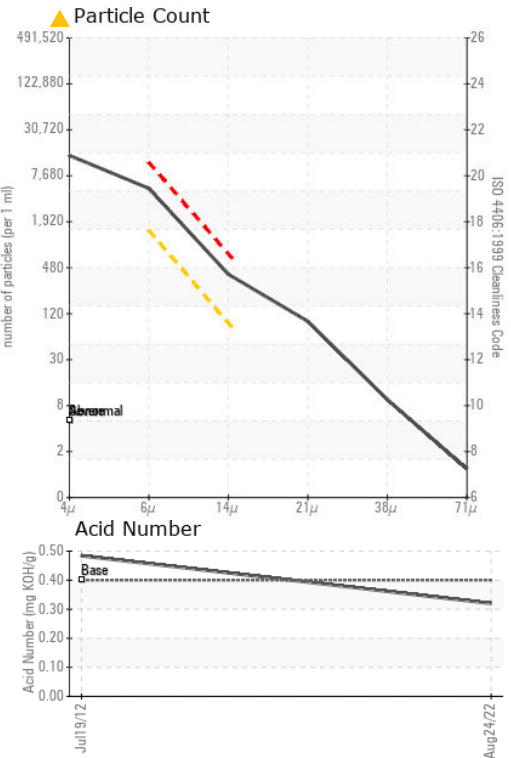
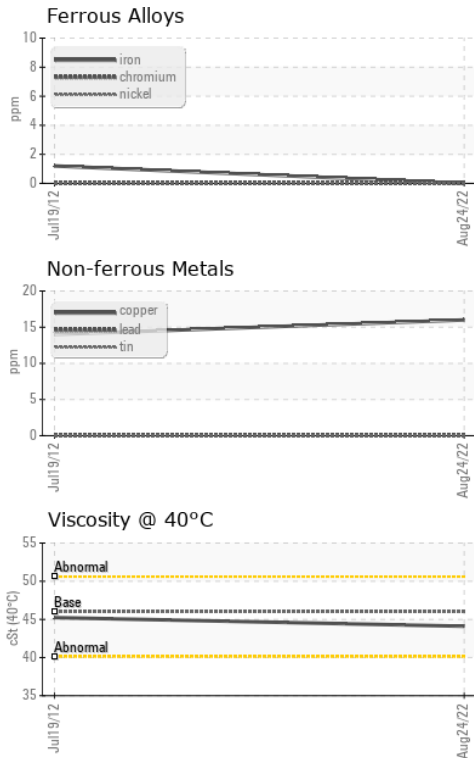


| PARAMETER | method | limit/base | current | history 1 | history 2 |
|------------------|--------|------------|---------|--------------|-----------|
| White Metal | scalar | *Visual | NONE | NONE | LIGHT |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE |
| Precipitate | scalar | *Visual | NONE | NONE | NONE |
| Silt | scalar | *Visual | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | LIGHT | LIGHT |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE |
| Appearance | scalar | *Visual | NORML | NORML | NORML |
| Odor | scalar | *Visual | NORML | NORML | NORML |
| Emulsified Water | scalar | *Visual | >0.05 | NEG | NEG |
| Free Water | scalar | *Visual | | NEG | NEG |

| PARAMETER | method | limit/base | current | history 1 | history 2 |
|-------------|--------|------------|---------|-----------|-----------|
| Visc @ 40°C | cSt | ASTM D445 | 46 | 44.1 | 45.24 |

| PARAMETER | method | limit/base | current | history 1 | history 2 |
|-----------|--------|------------|---------|-----------|-----------|
| Color | | | | no image | no image |
| Bottom | | | | no image | no image |

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KC85746 **Received** : 01 Sep 2022
Lab Number : 05631688 **Diagnosed** : 02 Sep 2022
Unique Number : 10116209 **Diagnostician** : Don Baldrige
Test Package : IND 2

ROSCIOLI YACHT CENTER
 3201 W STATE RD 84
 FORT LAUDERDALE, FL
 USA 33312
 Contact:

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: