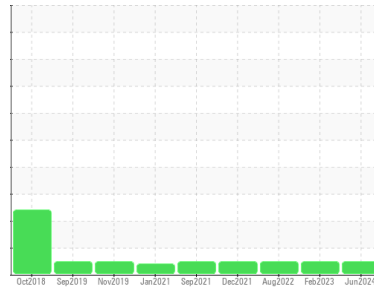




OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
KAESER SFC75S 6062272 (S/N 1078)
 Component
Compressor
 Fluid
KAESER SIGMA (OEM) S-460 (--- QTS)

DIAGNOSIS

Recommendation
 Resample at the next service interval to monitor.

Wear
 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.

SAMPLE INFORMATION

| | method | limit/base | current | history1 | history2 |
|---------------|-------------|-------------|--------------------|-------------|-------------|
| Sample Number | Client Info | | KC128588 | KC102683 | KC95207 |
| Sample Date | Client Info | | 06 Jun 2024 | 07 Feb 2023 | 24 Aug 2022 |
| Machine Age | hrs | Client Info | 47197 | 36372 | 32369 |
| Oil Age | hrs | Client Info | 10825 | 4000 | 0 |
| Oil Changed | Client Info | | Changed | Changed | Not Changed |
| Sample Status | | | NORMAL | NORMAL | NORMAL |

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|----------|--------|-----------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m >50 | 0 | 0 | 0 |
| Chromium | ppm | ASTM D5185m >10 | <1 | 0 | 0 |
| Nickel | ppm | ASTM D5185m >3 | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m >3 | <1 | 0 | 0 |
| Silver | ppm | ASTM D5185m >2 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m >10 | 2 | 0 | 0 |
| Lead | ppm | ASTM D5185m >10 | 0 | 0 | 0 |
| Copper | ppm | ASTM D5185m >50 | 6 | 12 | 8 |
| Tin | ppm | ASTM D5185m >10 | <1 | 0 | 0 |
| Antimony | ppm | ASTM D5185m | --- | --- | --- |
| Vanadium | ppm | ASTM D5185m | 0 | 0 | 0 |
| Cadmium | ppm | ASTM D5185m | 0 | 0 | 0 |

ADDITIVES

| | method | limit/base | current | history1 | history2 |
|------------|--------|----------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185m | 0 | 0 | 0 |
| Barium | ppm | ASTM D5185m 90 | 0 | 0 | <1 |
| Molybdenum | ppm | ASTM D5185m | 0 | 0 | 0 |
| Manganese | ppm | ASTM D5185m | 0 | 0 | 0 |
| Magnesium | ppm | ASTM D5185m 90 | <1 | 0 | 0 |
| Calcium | ppm | ASTM D5185m 2 | 0 | 0 | 0 |
| Phosphorus | ppm | ASTM D5185m | 0 | 8 | 1 |
| Zinc | ppm | ASTM D5185m | 0 | 0 | 0 |

CONTAMINANTS

| | method | limit/base | current | history1 | history2 |
|-----------|--------|------------------|--------------|----------|----------|
| Silicon | ppm | ASTM D5185m >25 | 2 | 1 | <1 |
| Sodium | ppm | ASTM D5185m | 0 | <1 | 0 |
| Potassium | ppm | ASTM D5185m >20 | <1 | 0 | 0 |
| Water | % | ASTM D6304 >0.05 | 0.009 | 0.005 | 0.009 |
| ppm Water | ppm | ASTM D6304 >500 | 93 | 55.7 | 98.3 |

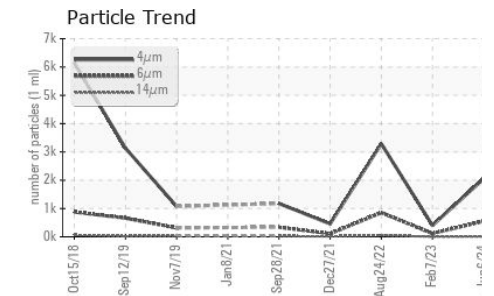
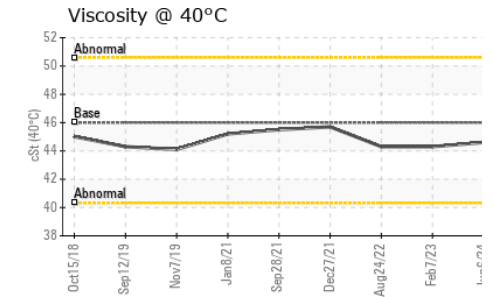
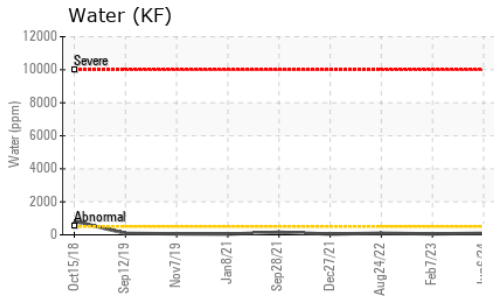
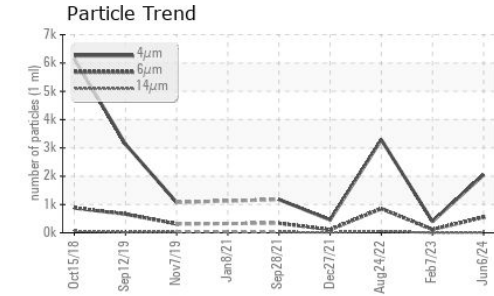
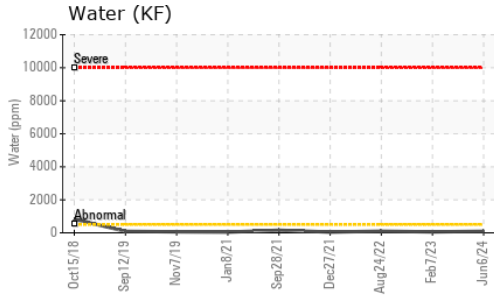
FLUID CLEANLINESS

| | method | limit/base | current | history1 | history2 |
|-----------------|------------------|------------|-----------------|----------|----------|
| Particles >4µm | ASTM D7647 | | 2051 | 402 | 3289 |
| Particles >6µm | ASTM D7647 >1300 | | 551 | 118 | 857 |
| Particles >14µm | ASTM D7647 >160 | | 11 | 3 | 50 |
| Particles >21µm | ASTM D7647 >40 | | 1 | 1 | 7 |
| Particles >38µm | ASTM D7647 >10 | | 0 | 0 | 0 |
| Particles >71µm | ASTM D7647 >3 | | 0 | 0 | 0 |
| Oil Cleanliness | ISO 4406 (c) | >--/17/14 | 18/16/11 | 16/14/9 | 19/17/13 |

FLUID DEGRADATION

| | method | limit/base | current | history1 | history2 |
|------------------|----------|----------------|-------------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D8045 0.4 | 0.51 | 0.47 | 0.45 |

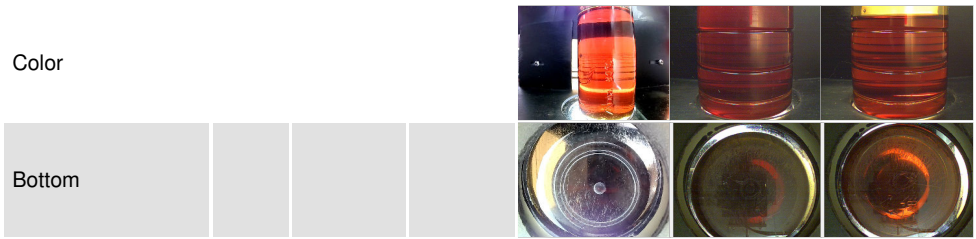
OIL ANALYSIS REPORT



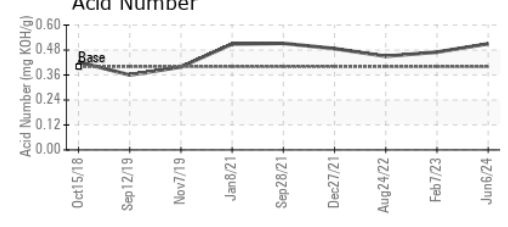
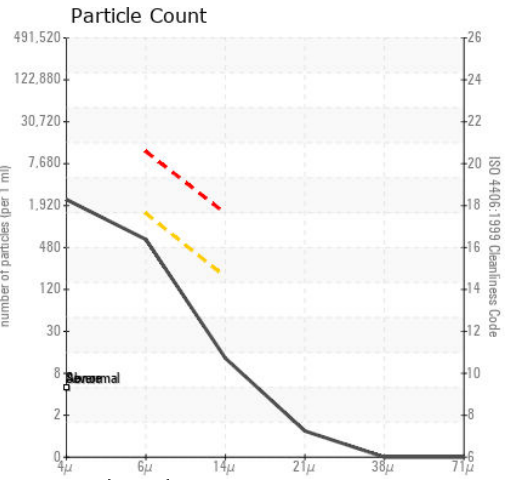
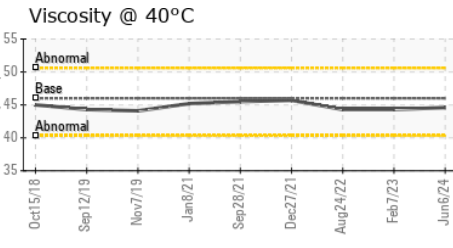
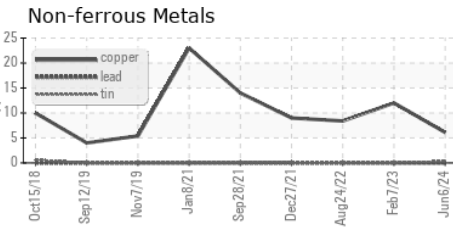
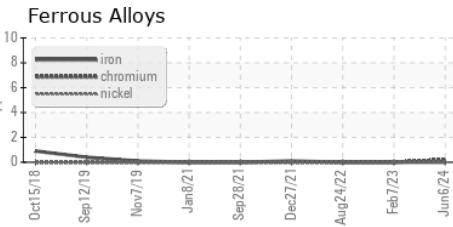
| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal | scalar | *Visual | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE |
| Precipitate | scalar | *Visual | NONE | NONE | NONE |
| Silt | scalar | *Visual | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | 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 |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 | 46 | 44.3 | 44.3 |

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



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KC128588
Lab Number : 06207803
Unique Number : 11075264
Test Package : IND 2
Received : 12 Jun 2024
Tested : 13 Jun 2024
Diagnosed : 14 Jun 2024 - Don Baldrige

ALLIED MACHINE
 485 W 3RD ST
 DOVER, OH
 US 44662
 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)