

# PROBLEM SUMMARY

Sample Rating Trend



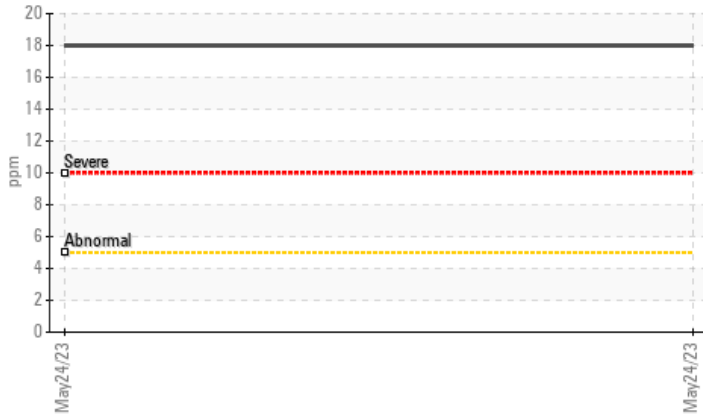
WEAR



Machine Id  
**KAESER KAESER 4 THR**  
Component  
**Screw Compressor**  
Fluid  
**POLYGUARD 68 (--- LTR)**

## COMPONENT CONDITION SUMMARY

### ▲ Aluminum (ppm)



## RECOMMENDATION

No corrective action is recommended at this time.  
Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

| Sample Status | ABNORMAL | ---         | --- |
|---------------|----------|-------------|-----|
| Aluminum      | ppm      | ASTM D5185m | >5  |
|               | ▲ 18     | ---         | --- |

Customer Id: PAEMON  
Sample No.: RP0032918  
Lab Number: 05900752  
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
Angela Borella +1 800-237-1369  
[angela.borella@wearcheckusa.com](mailto:angela.borella@wearcheckusa.com)

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

## RECOMMENDED ACTIONS

*There are no recommended actions for this sample.*

## HISTORICAL DIAGNOSIS



# OIL ANALYSIS REPORT

Sample Rating Trend



**WEAR**



Machine Id  
**KAESER KAESER 4 THR**  
 Component  
**Screw Compressor**  
 Fluid  
**POLYGUARD 68 (--- LTR)**

## DIAGNOSIS

### ▲ Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

### ▲ Wear

The aluminum level is abnormal. All other component wear rates are normal.

### Contamination

There is no indication of any contamination 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 |             |            | <b>RP0032918</b>   | ---      | ---      |
| Sample Date        | Client Info |             |            | <b>24 May 2023</b> | ---      | ---      |
| Machine Age        | hrs         | Client Info |            | <b>0</b>           | ---      | ---      |
| Oil Age            | hrs         | Client Info |            | <b>1637</b>        | ---      | ---      |
| Oil Changed        | Client Info |             |            | <b>Not Changed</b> | ---      | ---      |
| Sample Status      |             |             |            | <b>ABNORMAL</b>    | ---      | ---      |

| WEAR METALS |     | method      | limit/base | current      | history1 | history2 |
|-------------|-----|-------------|------------|--------------|----------|----------|
| Iron        | ppm | ASTM D5185m | >60        | <b>5</b>     | ---      | ---      |
| Chromium    | ppm | ASTM D5185m | >4         | <b>0</b>     | ---      | ---      |
| Nickel      | ppm | ASTM D5185m | >3         | <b>&lt;1</b> | ---      | ---      |
| Titanium    | ppm | ASTM D5185m | >3         | <b>0</b>     | ---      | ---      |
| Silver      | ppm | ASTM D5185m | >2         | <b>0</b>     | ---      | ---      |
| Aluminum    | ppm | ASTM D5185m | >5         | <b>▲ 18</b>  | ---      | ---      |
| Lead        | ppm | ASTM D5185m | >10        | <b>&lt;1</b> | ---      | ---      |
| Copper      | ppm | ASTM D5185m | >30        | <b>4</b>     | ---      | ---      |
| Tin         | ppm | ASTM D5185m | >15        | <b>&lt;1</b> | ---      | ---      |
| Vanadium    | ppm | ASTM D5185m |            | <b>0</b>     | ---      | ---      |
| Cadmium     | ppm | ASTM D5185m |            | <b>0</b>     | ---      | ---      |

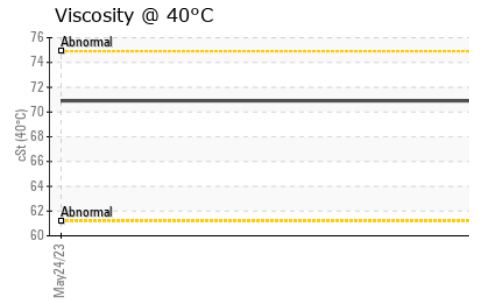
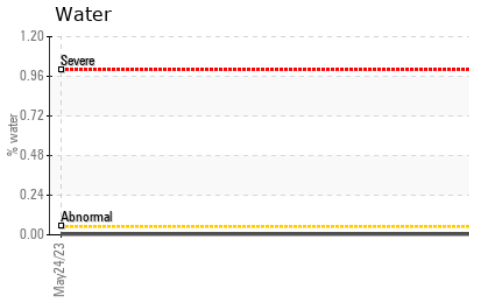
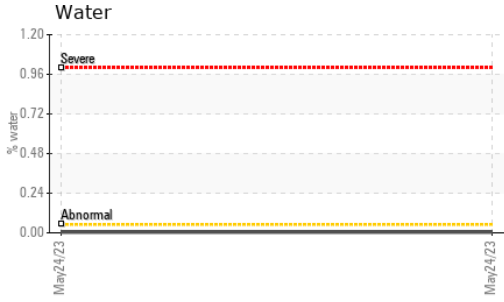
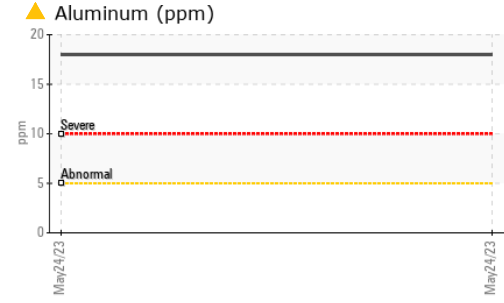
| ADDITIVES  |     | method      | limit/base | current      | history1 | history2 |
|------------|-----|-------------|------------|--------------|----------|----------|
| Boron      | ppm | ASTM D5185m |            | <b>0</b>     | ---      | ---      |
| Barium     | ppm | ASTM D5185m |            | <b>0</b>     | ---      | ---      |
| Molybdenum | ppm | ASTM D5185m |            | <b>&lt;1</b> | ---      | ---      |
| Manganese  | ppm | ASTM D5185m |            | <b>0</b>     | ---      | ---      |
| Magnesium  | ppm | ASTM D5185m |            | <b>&lt;1</b> | ---      | ---      |
| Calcium    | ppm | ASTM D5185m |            | <b>0</b>     | ---      | ---      |
| Phosphorus | ppm | ASTM D5185m |            | <b>398</b>   | ---      | ---      |
| Zinc       | ppm | ASTM D5185m |            | <b>155</b>   | ---      | ---      |

| CONTAMINANTS |     | method      | limit/base | current      | history1 | history2 |
|--------------|-----|-------------|------------|--------------|----------|----------|
| Silicon      | ppm | ASTM D5185m | >50        | <b>0</b>     | ---      | ---      |
| Sodium       | ppm | ASTM D5185m |            | <b>0</b>     | ---      | ---      |
| Potassium    | ppm | ASTM D5185m | >20        | <b>0</b>     | ---      | ---      |
| Water        | %   | ASTM D6304  | >0.05      | <b>0.004</b> | ---      | ---      |
| ppm Water    | ppm | ASTM D6304  | >500       | <b>49.2</b>  | ---      | ---      |

| FLUID DEGRADATION |          | method     | limit/base | current     | history1 | history2 |
|-------------------|----------|------------|------------|-------------|----------|----------|
| Acid Number (AN)  | mg KOH/g | ASTM D8045 |            | <b>1.23</b> | ---      | ---      |

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

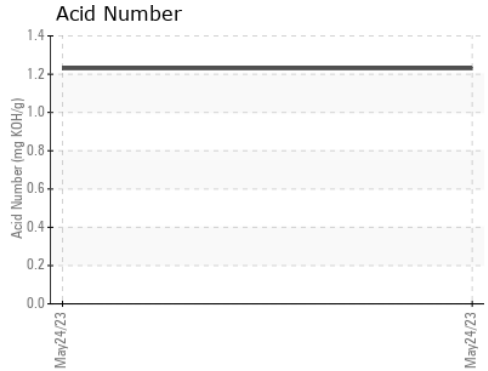
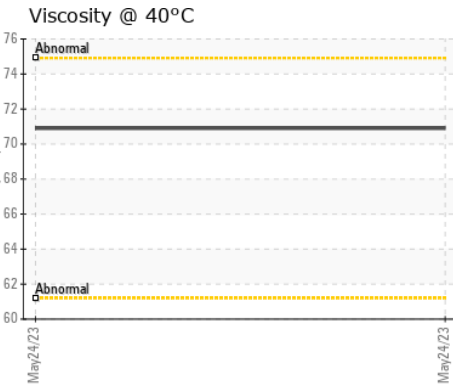
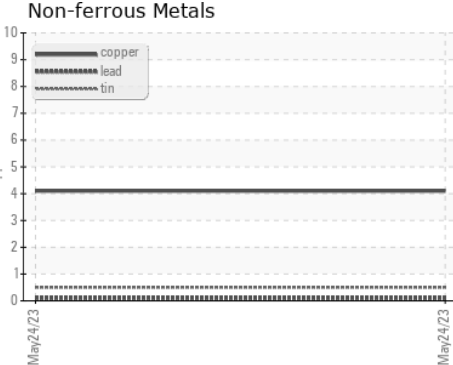
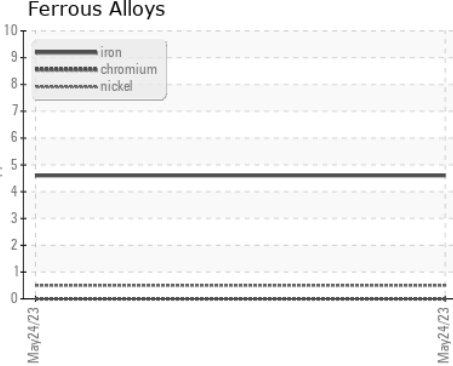
# OIL ANALYSIS REPORT



| FLUID PROPERTIES | method | limit/base | current     | history1 | history2 |
|------------------|--------|------------|-------------|----------|----------|
| Visc @ 40°C      | cSt    | ASTM D445  | <b>70.9</b> | ---      | ---      |

| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|---------|----------|----------|
| Color         |        |            |         | no image | no image |
| Bottom        |        |            |         | no image | no image |

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RP0032918 **Received** : 17 Jul 2023  
**Lab Number** : **05900752** **Diagnosed** : 19 Jul 2023  
**Unique Number** : 10562108 **Diagnostician** : Angela Borella  
**Test Package** : IND 2

**PAESA**  
 CHAPULTEPEE 304-A COL. REGINA  
 MONTERREY,  
 NL  
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 marcelatovar@grupoati.com  
 T:  
 F:

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)