



# PROBLEM SUMMARY

Sample Rating Trend



ISO



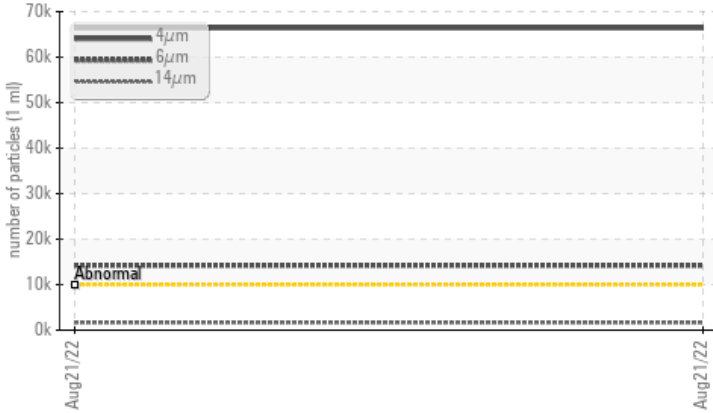
Machine Id  
**AC-7 (S/N 18114)**

Component  
**Air Compressor**

Fluid  
**INGERSOLL-RAND TURBOBLEND 46 (--- 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   |              |           | <b>ABNORMAL</b>   | --- | --- |
|-----------------|--------------|-----------|-------------------|-----|-----|
| Particles >4µm  | ASTM D7647   | >10000    | ▲ <b>66393</b>    | --- | --- |
| Particles >6µm  | ASTM D7647   | >2500     | ▲ <b>14221</b>    | --- | --- |
| Particles >14µm | ASTM D7647   | >320      | ▲ <b>1652</b>     | --- | --- |
| Particles >21µm | ASTM D7647   | >80       | ▲ <b>567</b>      | --- | --- |
| Particles >38µm | ASTM D7647   | >20       | ▲ <b>37</b>       | --- | --- |
| Oil Cleanliness | ISO 4406 (c) | >20/18/15 | ▲ <b>23/21/18</b> | --- | --- |

Customer Id: KRAWIN  
Sample No.: USPM23967  
Lab Number: 05623080  
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](mailto:dougb@wearcheckusa.com)

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

## RECOMMENDED ACTIONS

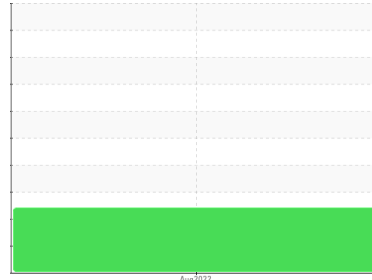
| Action        | Status | Date        | Done By | Description   |
|---------------|--------|-------------|---------|---|
| Change Filter | MISSED | Mar 13 2023 | ?       | We recommend you service the filters on this component. |

## HISTORICAL DIAGNOSIS



# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id  
**AC-7 (S/N 18114)**

Component  
**Air Compressor**

Fluid  
**INGERSOLL-RAND TURBOBLEND 46 (--- 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            | history1 | history2 |
|---------------|-------------|--------------------|----------|----------|
| Sample Number | Client Info | <b>USPM23967</b>   | ---      | ---      |
| Sample Date   | Client Info | <b>21 Aug 2022</b> | ---      | ---      |
| Machine Age   | hrs         | Client Info        | <b>0</b> | ---      |
| Oil Age       | hrs         | Client Info        | <b>0</b> | ---      |
| Oil Changed   | Client Info | <b>N/A</b>         | ---      | ---      |
| Sample Status |             | <b>ABNORMAL</b>    | ---      | ---      |

## WEAR METALS

| method   | limit/base | current     | history1 | history2     |     |     |
|----------|------------|-------------|----------|--------------|-----|-----|
| Iron     | ppm        | ASTM D5185m | >50      | <b>0</b>     | --- | --- |
| Chromium | ppm        | ASTM D5185m | >4       | <b>0</b>     | --- | --- |
| Nickel   | ppm        | ASTM D5185m | >4       | <b>0</b>     | --- | --- |
| Titanium | ppm        | ASTM D5185m |          | <b>0</b>     | --- | --- |
| Silver   | ppm        | ASTM D5185m |          | <b>0</b>     | --- | --- |
| Aluminum | ppm        | ASTM D5185m | >10      | <b>&lt;1</b> | --- | --- |
| Lead     | ppm        | ASTM D5185m | >20      | <b>0</b>     | --- | --- |
| Copper   | ppm        | ASTM D5185m | >40      | <b>&lt;1</b> | --- | --- |
| Tin      | ppm        | ASTM D5185m | >5       | <b>0</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>&lt;1</b> | --- | --- |
| Molybdenum | ppm        | ASTM D5185m |          | <b>0</b>     | --- | --- |
| Manganese  | ppm        | ASTM D5185m |          | <b>0</b>     | --- | --- |
| Magnesium  | ppm        | ASTM D5185m |          | <b>0</b>     | --- | --- |
| Calcium    | ppm        | ASTM D5185m |          | <b>0</b>     | --- | --- |
| Phosphorus | ppm        | ASTM D5185m |          | <b>0</b>     | --- | --- |
| Zinc       | ppm        | ASTM D5185m |          | <b>0</b>     | --- | --- |
| Sulfur     | ppm        | ASTM D5185m |          | <b>7</b>     | --- | --- |

## CONTAMINANTS

| method    | limit/base | current     | history1 | history2     |     |     |
|-----------|------------|-------------|----------|--------------|-----|-----|
| Silicon   | ppm        | ASTM D5185m | >25      | <b>&lt;1</b> | --- | --- |
| Sodium    | ppm        | ASTM D5185m |          | <b>0</b>     | --- | --- |
| Potassium | ppm        | ASTM D5185m | >20      | <b>0</b>     | --- | --- |
| Water     | %          | ASTM D6304  | >0.6     | <b>0.009</b> | --- | --- |
| ppm Water | ppm        | ASTM D6304  | >6000    | <b>93.8</b>  | --- | --- |

## FLUID CLEANLINESS

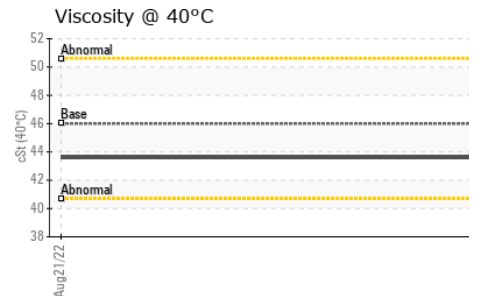
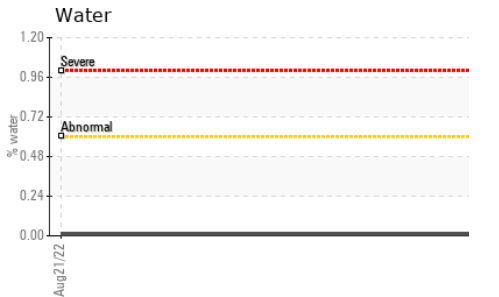
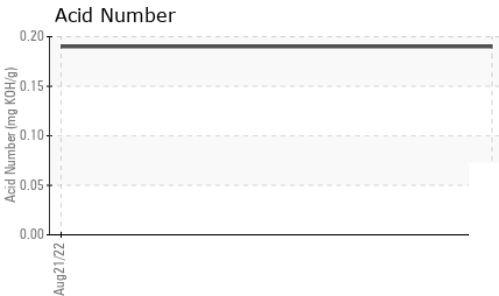
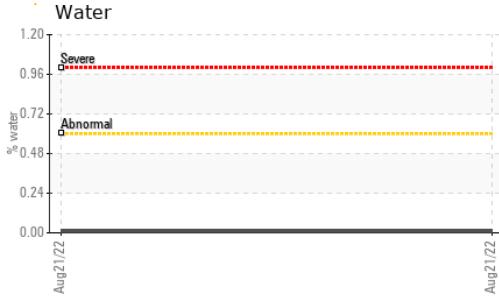
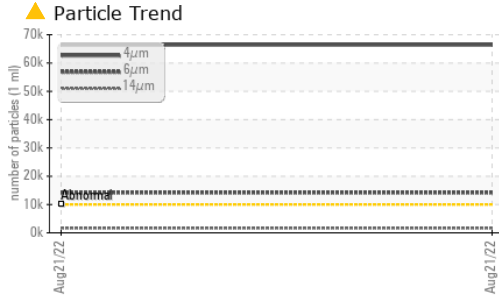
| method          | limit/base   | current   | history1          | history2 |     |
|-----------------|--------------|-----------|-------------------|----------|-----|
| Particles >4µm  | ASTM D7647   | >10000    | <b>▲ 66393</b>    | ---      | --- |
| Particles >6µm  | ASTM D7647   | >2500     | <b>▲ 14221</b>    | ---      | --- |
| Particles >14µm | ASTM D7647   | >320      | <b>▲ 1652</b>     | ---      | --- |
| Particles >21µm | ASTM D7647   | >80       | <b>▲ 567</b>      | ---      | --- |
| Particles >38µm | ASTM D7647   | >20       | <b>▲ 37</b>       | ---      | --- |
| Particles >71µm | ASTM D7647   | >4        | <b>1</b>          | ---      | --- |
| Oil Cleanliness | ISO 4406 (c) | >20/18/15 | <b>▲ 23/21/18</b> | ---      | --- |

## FLUID DEGRADATION

| method           | limit/base | current    | history1 | history2    |     |     |
|------------------|------------|------------|----------|-------------|-----|-----|
| Acid Number (AN) | mg KOH/g   | ASTM D8045 |          | <b>0.19</b> | --- | --- |



# OIL ANALYSIS REPORT

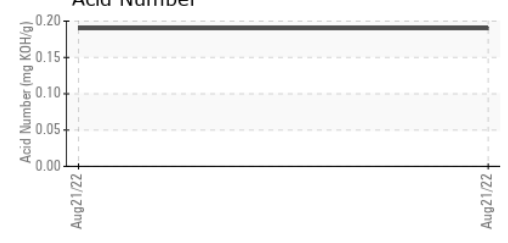
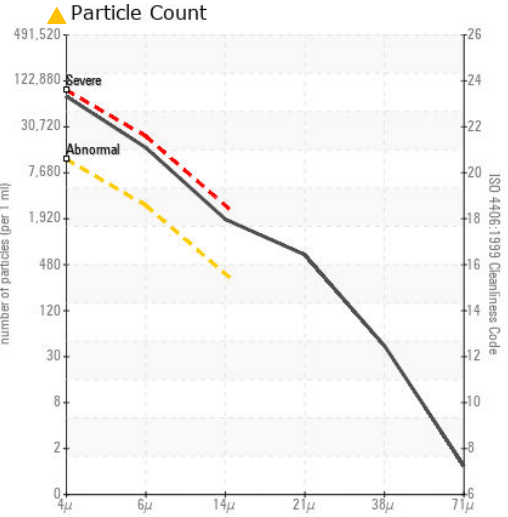
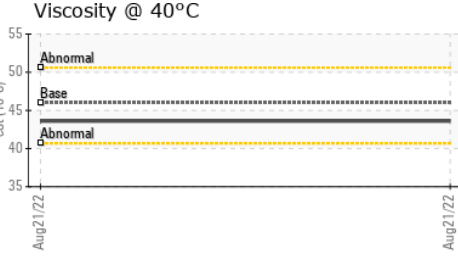
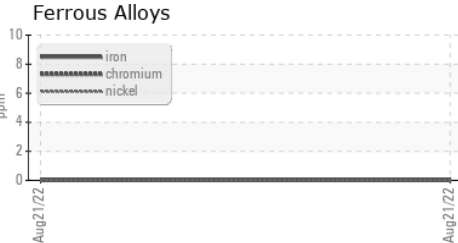


| VISUAL           | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal      | scalar | *Visual    | NONE    | NONE     | ---      |
| Yellow Metal     | scalar | *Visual    | NONE    | NONE     | ---      |
| 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    | >0.6    | NEG      | ---      |
| Free Water       | scalar | *Visual    |         | NEG      | ---      |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| Visc @ 40°C      | cSt    | ASTM D445  | 46      | 43.6     | ---      |

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : USPM23967 **Received** : 22 Aug 2022  
**Lab Number** : 05623080 **Diagnosed** : 23 Aug 2022  
**Unique Number** : 10102587 **Diagnostician** : Doug Bogart  
**Test Package** : IND 2

**KraftHeinz - Winchester - Plant 8342**  
 220 Park Center Drive  
 Winchester, VA  
 US 22603  
 Contact: Wayne Griffith  
 gewdg00@kraftheinz.com

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: