



# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**S-460 [5942]**  
 Machine Id  
**KAESER 101621.10001 - THE PRINTER INC (S/N 1307)**  
 Component  
**Compressor**



## 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.

### 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>UCH05923497</b> | ---      | ---      |
| Sample Date   | Client Info     | <b>03 Aug 2023</b> | ---      | ---      |
| Machine Age   | hrs Client Info | <b>120348</b>      | ---      | ---      |
| Oil Age       | hrs Client Info | <b>170</b>         | ---      | ---      |
| Oil Changed   | Client Info     | <b>Not Chngd</b>   | ---      | ---      |
| Sample Status |                 | <b>NORMAL</b>      | ---      | ---      |

## WEAR METALS

| method                   | limit/base | current      | history1 | history2 |
|--------------------------|------------|--------------|----------|----------|
| Iron ppm ASTM D5185m     | >50        | <b>&lt;1</b> | ---      | ---      |
| Chromium ppm ASTM D5185m | >10        | <b>0</b>     | ---      | ---      |
| Nickel ppm ASTM D5185m   | >3         | <b>0</b>     | ---      | ---      |
| Titanium ppm ASTM D5185m | >3         | <b>0</b>     | ---      | ---      |
| Silver ppm ASTM D5185m   | >2         | <b>0</b>     | ---      | ---      |
| Aluminum ppm ASTM D5185m | >10        | <b>0</b>     | ---      | ---      |
| Lead ppm ASTM D5185m     | >10        | <b>0</b>     | ---      | ---      |
| Copper ppm ASTM D5185m   | >50        | <b>1</b>     | ---      | ---      |
| Tin ppm ASTM D5185m      | >10        | <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     | 90         | <b>19</b>    | ---      | ---      |
| Molybdenum ppm ASTM D5185m |            | <b>0</b>     | ---      | ---      |
| Manganese ppm ASTM D5185m  |            | <b>0</b>     | ---      | ---      |
| Magnesium ppm ASTM D5185m  | 90         | <b>67</b>    | ---      | ---      |
| Calcium ppm ASTM D5185m    | 2          | <b>&lt;1</b> | ---      | ---      |
| Phosphorus ppm ASTM D5185m |            | <b>2</b>     | ---      | ---      |
| Zinc ppm ASTM D5185m       |            | <b>23</b>    | ---      | ---      |
| Sulfur ppm ASTM D5185m     |            | <b>21329</b> | ---      | ---      |

## CONTAMINANTS

| method                    | limit/base | current      | history1 | history2 |
|---------------------------|------------|--------------|----------|----------|
| Silicon ppm ASTM D5185m   | >25        | <b>&lt;1</b> | ---      | ---      |
| Sodium ppm ASTM D5185m    |            | <b>15</b>    | ---      | ---      |
| Potassium ppm ASTM D5185m | >20        | <b>3</b>     | ---      | ---      |

## FLUID DEGRADATION

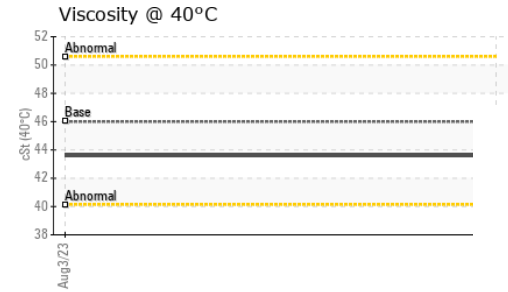
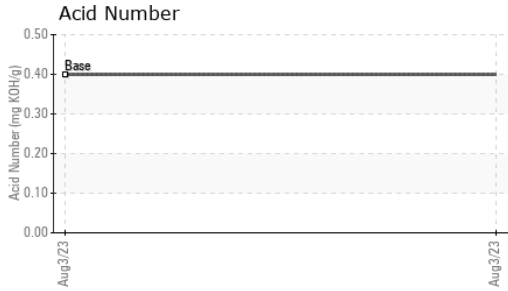
| method                               | limit/base | current     | history1 | history2 |
|--------------------------------------|------------|-------------|----------|----------|
| Acid Number (AN) mg KOH/g ASTM D8045 | 0.4        | <b>0.40</b> | ---      | ---      |

## 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>LIGHT</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>   | ---      | ---      |



# OIL ANALYSIS REPORT

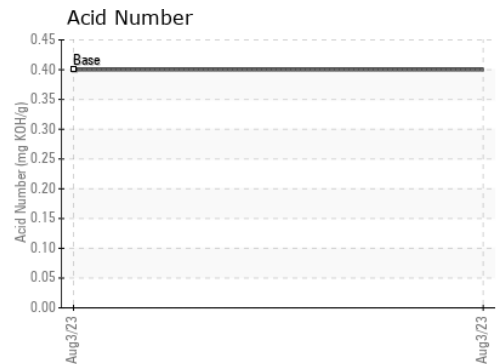
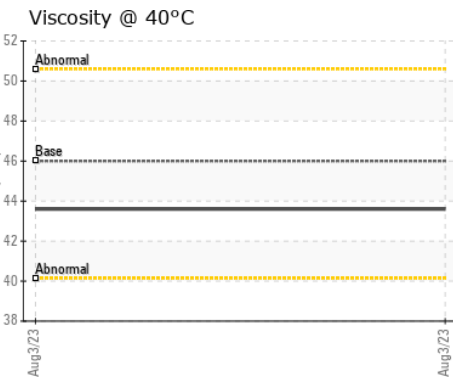
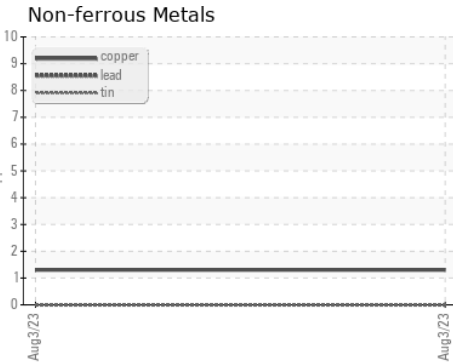
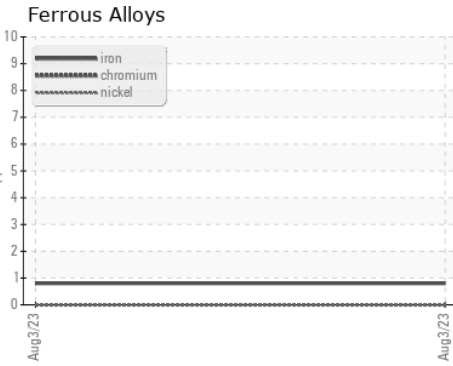


| FLUID PROPERTIES | method | limit/base   | current | history1 | history2 |
|------------------|--------|--------------|---------|----------|----------|
| Visc @ 40°C      | cSt    | ASTM D445 46 | 43.6    | ---      | ---      |

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

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

## GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : UCH05923497 Received : 14 Aug 2023  
 Lab Number : 05923497 Diagnosed : 15 Aug 2023  
 Unique Number : 10603444 Diagnostician : Doug Bogart  
 Test Package : IND 2

**JOHN HENRY FOSTER COMPANY**  
 4700 LEBOURGET STREET  
 SAINT LOUIS, MO  
 US 63134  
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 F: (314)874-0965

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)