

Machine Id  
**Ad-Hoc LP Compressor**  
Component  
**Compressor**  
Fluid  
**REFRIG COMP OIL ISO 32 (--- LTR)**

**DIAGNOSIS**

**Recommendation**

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) REFRIG COMP OIL ISO 32. Please confirm. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

**Wear**

All component wear rates are normal.

**Contamination**

The water content is negligible. 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 history 1 history 2

|               |                 |                    |             |             |
|---------------|-----------------|--------------------|-------------|-------------|
| Sample Number | Client Info     | <b>PC</b>          | PC          | PP          |
| Sample Date   | Client Info     | <b>04 Jul 2023</b> | 27 Jun 2023 | 29 Mar 2005 |
| Machine Age   | hrs Client Info | <b>0</b>           | 0           | 0           |
| Oil Age       | hrs Client Info | <b>0</b>           | 0           | 0           |
| Oil Changed   | Client Info     | <b>N/A</b>         | N/A         | N/A         |
| Sample Status |                 | <b>NORMAL</b>      | NORMAL      | NORMAL      |

**WEAR METALS** method limit/base current history 1 history 2

|           |                   |     |              |    |     |
|-----------|-------------------|-----|--------------|----|-----|
| PQ        | ASTM D8184*       |     | <b>0</b>     | 0  | --- |
| Iron      | ppm ASTM D5185(m) | >50 | <b>&lt;1</b> | <1 | --- |
| Chromium  | ppm ASTM D5185(m) | >5  | <b>0</b>     | 0  | --- |
| Nickel    | ppm ASTM D5185(m) |     | <b>&lt;1</b> | 0  | --- |
| Titanium  | ppm ASTM D5185(m) |     | <b>0</b>     | 0  | --- |
| Silver    | ppm ASTM D5185(m) |     | <b>0</b>     | 0  | --- |
| Aluminum  | ppm ASTM D5185(m) | >15 | <b>0</b>     | <1 | --- |
| Lead      | ppm ASTM D5185(m) | >65 | <b>0</b>     | 0  | --- |
| Copper    | ppm ASTM D5185(m) | >65 | <b>&lt;1</b> | <1 | --- |
| Tin       | ppm ASTM D5185(m) | >10 | <b>0</b>     | 0  | --- |
| Antimony  | ppm ASTM D5185(m) |     | <b>0</b>     | 0  | --- |
| Vanadium  | ppm ASTM D5185(m) |     | <b>0</b>     | 0  | --- |
| Beryllium | ppm ASTM D5185(m) |     | <b>0</b>     | 0  | --- |
| Cadmium   | ppm ASTM D5185(m) |     | <b>0</b>     | 0  | --- |

**ADDITIVES** method limit/base current history 1 history 2

|            |                   |      |              |     |     |
|------------|-------------------|------|--------------|-----|-----|
| Boron      | ppm ASTM D5185(m) | 5    | <b>0</b>     | 0   | --- |
| Barium     | ppm ASTM D5185(m) | 5    | <b>0</b>     | 0   | --- |
| Molybdenum | ppm ASTM D5185(m) | 5    | <b>0</b>     | 0   | --- |
| Manganese  | ppm ASTM D5185(m) |      | <b>0</b>     | 0   | --- |
| Magnesium  | ppm ASTM D5185(m) | 5    | <b>&lt;1</b> | <1  | --- |
| Calcium    | ppm ASTM D5185(m) | 12   | <b>&lt;1</b> | <1  | --- |
| Phosphorus | ppm ASTM D5185(m) | 12   | <b>3</b>     | 3   | --- |
| Zinc       | ppm ASTM D5185(m) | 12   | <b>2</b>     | 2   | --- |
| Sulfur     | ppm ASTM D5185(m) | 1000 | <b>632</b>   | 623 | --- |
| Lithium    | ppm ASTM D5185(m) |      | <b>&lt;1</b> | <1  | --- |

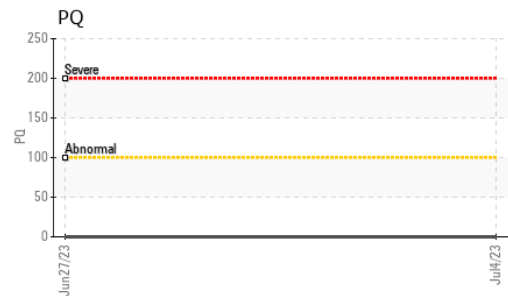
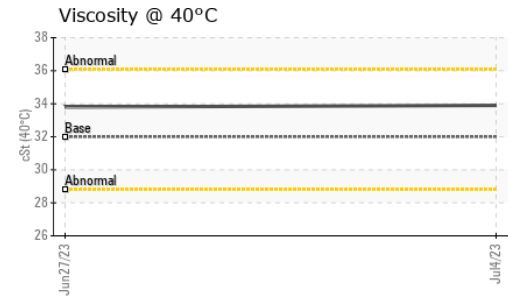
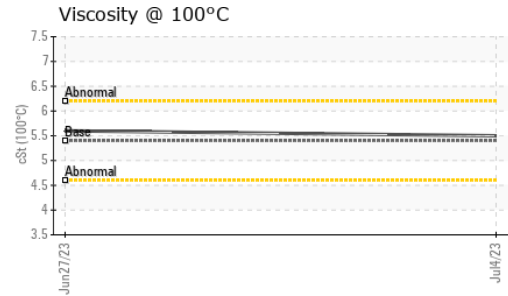
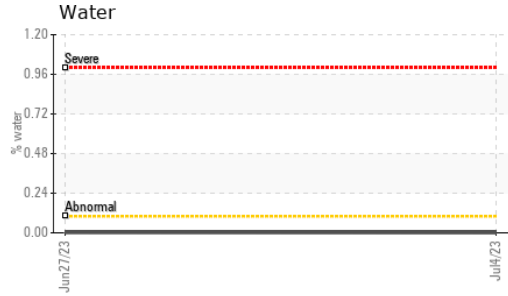
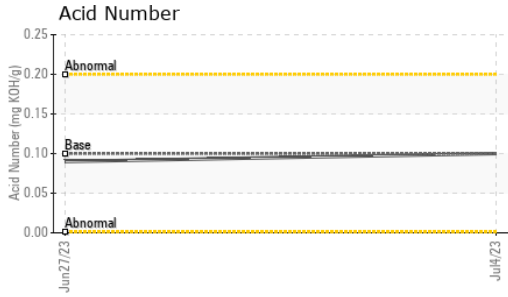
**CONTAMINANTS** method limit/base current history 1 history 2

|           |                   |       |              |       |     |
|-----------|-------------------|-------|--------------|-------|-----|
| Silicon   | ppm ASTM D5185(m) | >35   | <b>0</b>     | 0     | --- |
| Sodium    | ppm ASTM D5185(m) |       | <b>&lt;1</b> | <1    | --- |
| Potassium | ppm ASTM D5185(m) | >20   | <b>&lt;1</b> | <1    | --- |
| Water     | % ASTM D6304*     | >0.1  | <b>0.001</b> | 0.002 | --- |
| ppm Water | ppm ASTM D6304*   | >1000 | <b>14.1</b>  | 15.7  | --- |

**FLUID DEGRADATION** method limit/base current history 1 history 2

|                  |                     |      |             |      |     |
|------------------|---------------------|------|-------------|------|-----|
| Acid Number (AN) | mg KOH/g ASTM D974* | 0.10 | <b>0.10</b> | 0.09 | --- |
|------------------|---------------------|------|-------------|------|-----|

# OIL ANALYSIS REPORT



| VISUAL           | method | limit/base | current | history 1 | history 2 |
|------------------|--------|------------|---------|-----------|-----------|
| 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    | NONE      | ---       |
| Sand/Dirt        | scalar | Visual*    | NONE    | NONE      | ---       |
| Appearance       | scalar | Visual*    | NORML   | NORML     | ---       |
| Odor             | scalar | Visual*    | NORML   | NORML     | ---       |
| Emulsified Water | scalar | Visual*    | >0.1    | NEG       | ---       |
| Free Water       | scalar | Visual*    |         | NEG       | ---       |

| FLUID PROPERTIES     | method | limit/base    | current | history 1 | history 2 |
|----------------------|--------|---------------|---------|-----------|-----------|
| Visc @ 40°C          | cSt    | ASTM D7279(m) | 32      | 33.8      | ---       |
| Visc @ 100°C         | cSt    | ASTM D7279(m) | 5.4     | 5.5       | ---       |
| Viscosity Index (VI) | Scale  | ASTM D2270*   | 102     | 96        | ---       |

| SAMPLE IMAGES | method | limit/base | current | history 1 | history 2 |
|---------------|--------|------------|---------|-----------|-----------|
| Color         |        |            |         |           |           |
| Bottom        |        |            |         |           |           |
| PrtFilter     |        |            |         |           |           |



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC  
**Lab Number** : 02568002  
**Unique Number** : 5605048  
**Test Package** : MAR 2 ( Additional Tests: KF, KV100, TAN Man, VI )  
**Received** : 05 Jul 2023  
**Diagnosed** : 05 Jul 2023  
**Diagnostician** : Kevin Marson

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To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.