



|                 |                  |
|-----------------|------------------|
| WEAR            | <b>NORMAL</b>    |
| CONTAMINATION   | <b>NORMAL</b>    |
| FLUID CONDITION | <b>ATTENTION</b> |

Area  
**PALLUBE 32**  
Machine Id  
**SULLIVAN PALATEK 19ME000725 - GEORIGA TECH**  
Component  
**Compressor**

### RECOMMENDATION

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

### WEAR

All component wear rates are normal.

### CONTAMINATION

Moderate concentration of visible dirt/debris present in the oil.

### FLUID CONDITION

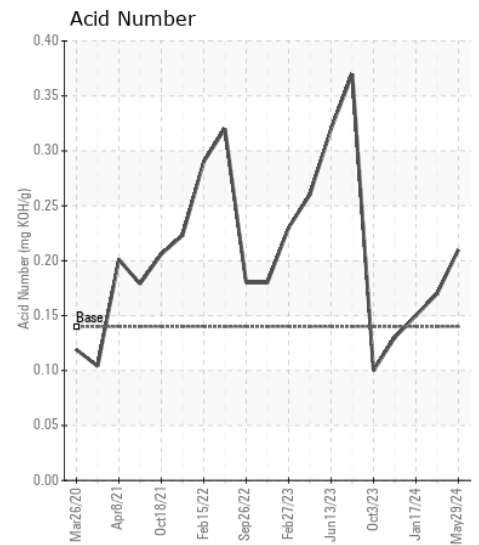
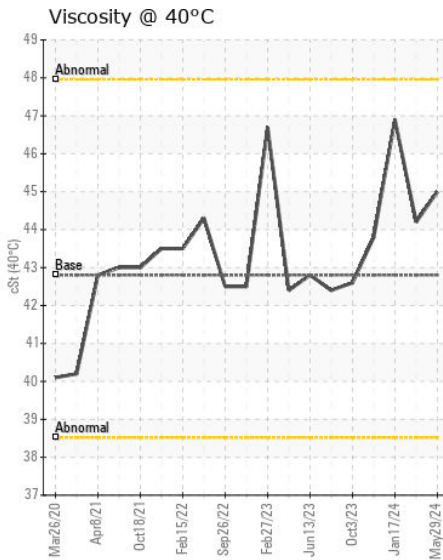
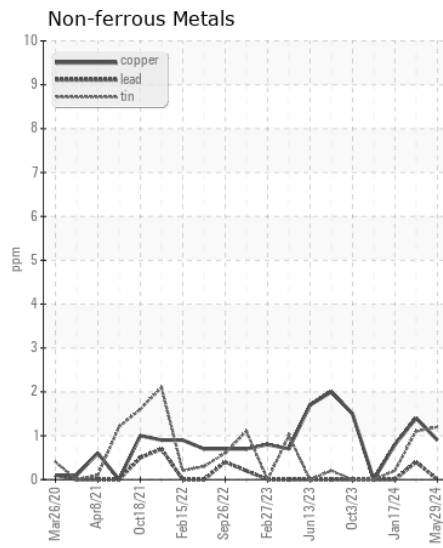
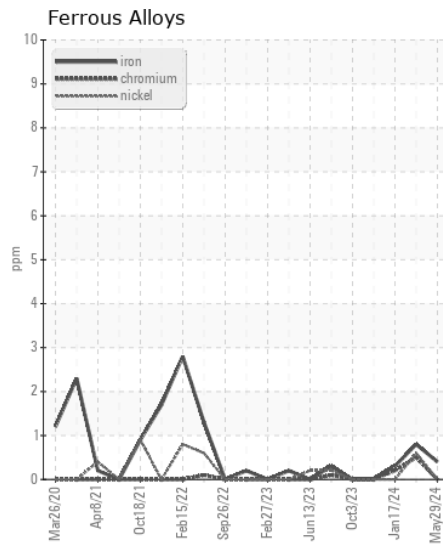
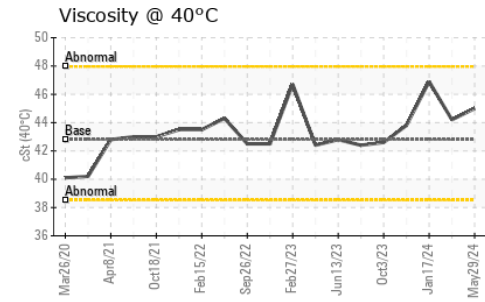
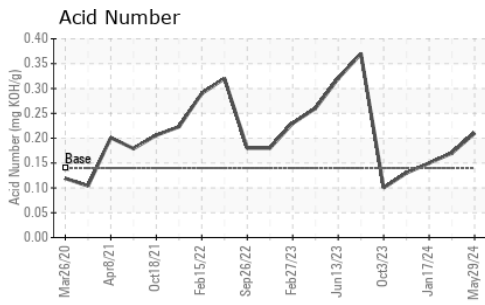
An additive depletion is indicated. The AN level is acceptable for this fluid.

| Test           | UOM | Method      | Limit/Abn | Current            | History1    | History2    |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number  |     | Client Info |           | <b>UCS06232349</b> | UCS06190694 | UCS06111550 |
| Sample Date    |     | Client Info |           | <b>29 May 2024</b> | 08 Mar 2024 | 17 Jan 2024 |
| Machine Age    | hrs | Client Info |           | <b>38136</b>       | 36097       | 35103       |
| Oil Age        | hrs | Client Info |           | <b>7187</b>        | 5151        | 4154        |
| Filter Age     | hrs | Client Info |           | <b>2039</b>        | 994         | 1410        |
| Oil Changed    |     | Client Info |           | <b>Not Changd</b>  | N/A         | Not Changd  |
| Filter Changed |     | Client Info |           | <b>Changed</b>     | N/A         | Changed     |
| Sample Status  |     |             |           | <b>ATTENTION</b>   | ATTENTION   | NORMAL      |

|              |        |             |      |              |      |      |
|--------------|--------|-------------|------|--------------|------|------|
| Iron         | ppm    | ASTM D5185m | >50  | <b>&lt;1</b> | <1   | <1   |
| Chromium     | ppm    | ASTM D5185m | >10  | <b>0</b>     | <1   | <1   |
| Nickel       | ppm    | ASTM D5185m |      | <b>0</b>     | <1   | 0    |
| Titanium     | ppm    | ASTM D5185m |      | <b>0</b>     | <1   | 0    |
| Silver       | ppm    | ASTM D5185m |      | <b>0</b>     | 1    | 0    |
| Aluminum     | ppm    | ASTM D5185m | >25  | <b>&lt;1</b> | 1    | 2    |
| Lead         | ppm    | ASTM D5185m | >25  | <b>0</b>     | <1   | 0    |
| Copper       | ppm    | ASTM D5185m | >50  | <b>&lt;1</b> | 1    | <1   |
| Tin          | ppm    | ASTM D5185m | >15  | <b>1</b>     | 1    | <1   |
| Vanadium     | ppm    | ASTM D5185m |      | <b>0</b>     | <1   | <1   |
| White Metal  | scalar | *Visual     | NONE | <b>NONE</b>  | NONE | NONE |
| Yellow Metal | scalar | *Visual     | NONE | <b>NONE</b>  | NONE | NONE |

|                  |        |             |       |              |        |       |
|------------------|--------|-------------|-------|--------------|--------|-------|
| Silicon          | ppm    | ASTM D5185m | >25   | <b>&lt;1</b> | 2      | <1    |
| Potassium        | ppm    | ASTM D5185m | >20   | <b>6</b>     | 4      | 4     |
| Water            |        | WC Method   | >0.1  | <b>NEG</b>   | NEG    | NEG   |
| Silt             | scalar | *Visual     | NONE  | <b>NONE</b>  | NONE   | NONE  |
| Debris           | scalar | *Visual     | NONE  | <b>MODER</b> | LIGHT  | NONE  |
| Sand/Dirt        | scalar | *Visual     | NONE  | <b>NONE</b>  | NONE   | NONE  |
| Appearance       | scalar | *Visual     | NORML | <b>NORML</b> | NORML  | NORML |
| Odor             | scalar | *Visual     | NORML | <b>NORML</b> | NORML  | NORML |
| Emulsified Water | scalar | *Visual     | >0.1  | <b>NEG</b>   | ● 0.2% | NEG   |

|                  |          |             |      |              |      |      |
|------------------|----------|-------------|------|--------------|------|------|
| Sodium           | ppm      | ASTM D5185m |      | <b>80</b>    | 85   | 79   |
| Boron            | ppm      | ASTM D5185m | 1    | <b>&lt;1</b> | 0    | 0    |
| Barium           | ppm      | ASTM D5185m | 730  | ● <b>5</b>   | 44   | 77   |
| Molybdenum       | ppm      | ASTM D5185m | 0    | <b>0</b>     | <1   | 0    |
| Manganese        | ppm      | ASTM D5185m | 0.0  | <b>0</b>     | <1   | 0    |
| Magnesium        | ppm      | ASTM D5185m | 0    | <b>2</b>     | <1   | <1   |
| Calcium          | ppm      | ASTM D5185m | 0    | <b>4</b>     | 0    | 4    |
| Phosphorus       | ppm      | ASTM D5185m | 0    | <b>6</b>     | 11   | 19   |
| Zinc             | ppm      | ASTM D5185m | 0    | <b>0</b>     | 3    | 1    |
| Sulfur           | ppm      | ASTM D5185m | 590  | <b>609</b>   | 480  | 525  |
| Acid Number (AN) | mg KOH/g | ASTM D8045  | 0.14 | <b>0.21</b>  | 0.17 | 0.15 |
| Visc @ 40°C      | cSt      | ASTM D445   | 42.8 | <b>45.0</b>  | 44.2 | 46.9 |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCS06232349  
**Lab Number** : 06232349  
**Unique Number** : 11115842  
**Test Package** : IND 2

**Received** : 10 Jul 2024  
**Tested** : 11 Jul 2024  
**Diagnosed** : 11 Jul 2024 - Sean Felton

**ELITE COMPRESSED AIR SYSTEMS INC**

MCDONOUGH, GA  
 US 30252  
 Contact: RONNY MINNIX  
 elitecompressed@gmail.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)

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F: