



|                 |        |
|-----------------|--------|
| WEAR            | NORMAL |
| CONTAMINATION   | NORMAL |
| FLUID CONDITION | NORMAL |

Area  
**EMGARD CL [1062496]**  
Machine Id  
**PALATEK 1307180003 - COLSON GROUP**  
Component  
**Compressor**

### RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

| Test           | UOM | Method      | Limit/Abn | Current     | History1 | History2 |
|----------------|-----|-------------|-----------|-------------|----------|----------|
| Sample Number  |     | Client Info |           | UCS06224556 | ---      | ---      |
| Sample Date    |     | Client Info |           | 25 Jun 2024 | ---      | ---      |
| Machine Age    | hrs | Client Info |           | 58336       | ---      | ---      |
| Oil Age        | hrs | Client Info |           | 0           | ---      | ---      |
| Filter Age     | hrs | Client Info |           | 0           | ---      | ---      |
| Oil Changed    |     | Client Info |           | Changed     | ---      | ---      |
| Filter Changed |     | Client Info |           | Changed     | ---      | ---      |
| Sample Status  |     |             |           | NORMAL      | ---      | ---      |

### WEAR

All component wear rates are normal.

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

### CONTAMINATION

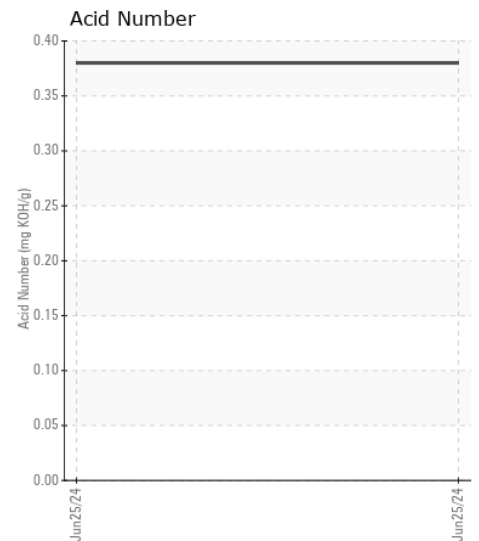
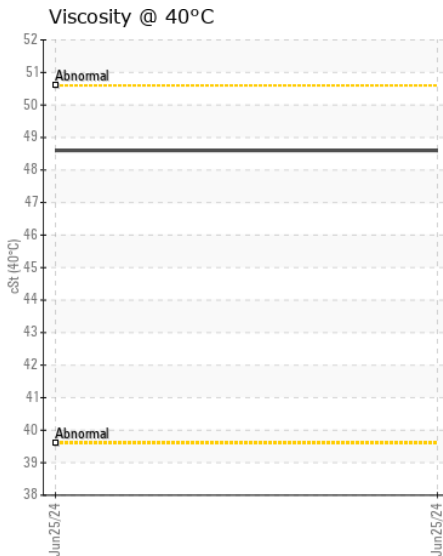
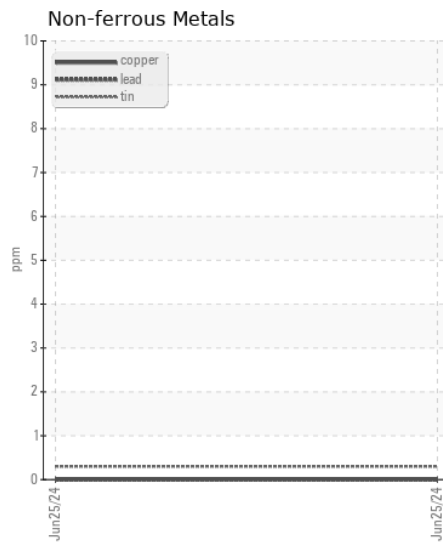
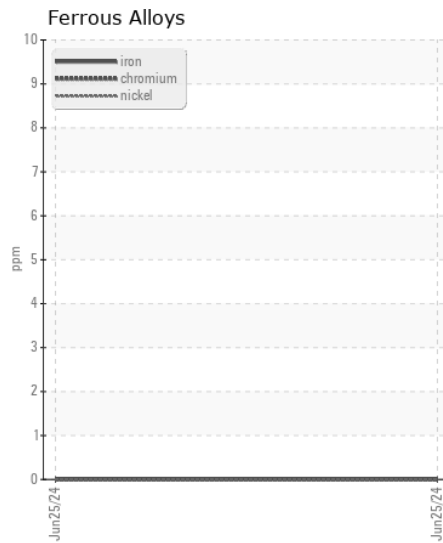
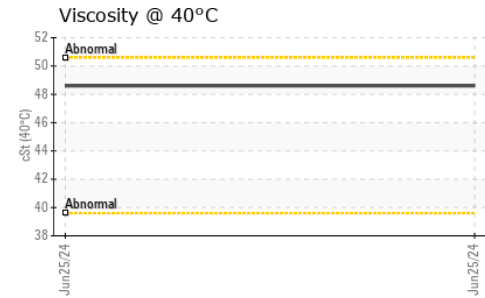
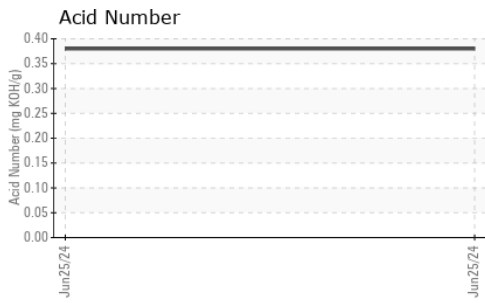
There is no indication of any contamination in the oil.

|                  |        |             |       |       |     |     |
|------------------|--------|-------------|-------|-------|-----|-----|
| Silicon          | ppm    | ASTM D5185m | >25   | <1    | --- | --- |
| Potassium        | ppm    | ASTM D5185m | >20   | 2     | --- | --- |
| Water            |        | WC Method   | >0.1  | NEG   | --- | --- |
| 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   | --- | --- |

### FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

|                  |          |             |  |      |     |     |
|------------------|----------|-------------|--|------|-----|-----|
| Sodium           | ppm      | ASTM D5185m |  | <1   | --- | --- |
| Boron            | ppm      | ASTM D5185m |  | 0    | --- | --- |
| Barium           | ppm      | ASTM D5185m |  | 0    | --- | --- |
| Molybdenum       | ppm      | ASTM D5185m |  | 0    | --- | --- |
| Manganese        | ppm      | ASTM D5185m |  | <1   | --- | --- |
| Magnesium        | ppm      | ASTM D5185m |  | 0    | --- | --- |
| Calcium          | ppm      | ASTM D5185m |  | 0    | --- | --- |
| Phosphorus       | ppm      | ASTM D5185m |  | 70   | --- | --- |
| Zinc             | ppm      | ASTM D5185m |  | 0    | --- | --- |
| Sulfur           | ppm      | ASTM D5185m |  | 173  | --- | --- |
| Acid Number (AN) | mg KOH/g | ASTM D8045  |  | 0.38 | --- | --- |
| Visc @ 40°C      | cSt      | ASTM D445   |  | 48.6 | --- | --- |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCS06224556  
**Lab Number** : 06224556  
**Unique Number** : 11102753  
**Test Package** : IND 2

**Received** : 01 Jul 2024  
**Tested** : 02 Jul 2024  
**Diagnosed** : 02 Jul 2024 - Wes Davis

**BLAKE AND PENDLETON**

MEMPHIS, TN  
 US 38133

Contact: JAY GIANNINI  
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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: