



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

Machine Id  
**INGERSOLL RAND 22514**  
 Component  
**Compressor**  
 Fluid  
**INGERSOLL-RAND TECHTROL GOLD TL (50 GAL)**

**RECOMMENDATION**

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

| Test           | UOM | Method      | Limit/Abn | Current     | History1 | History2 |
|----------------|-----|-------------|-----------|-------------|----------|----------|
| Sample Number  |     | Client Info |           | CCSI2012159 | ---      | ---      |
| Sample Date    |     | Client Info |           | 05 Mar 2024 | ---      | ---      |
| Machine Age    | hrs | Client Info |           | 2342        | ---      | ---      |
| Oil Age        | hrs | Client Info |           | 2342        | ---      | ---      |
| Filter Age     | hrs | Client Info |           | 0           | ---      | ---      |
| Oil Changed    |     | Client Info |           | Not Changd  | ---      | ---      |
| Filter Changed |     | Client Info |           | N/A         | ---      | ---      |
| Sample Status  |     |             |           | ABNORMAL    | ---      | ---      |

**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 |      | <1   | --- | --- |
| 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**

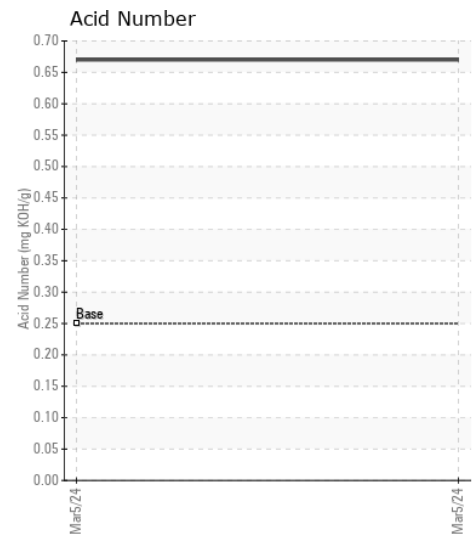
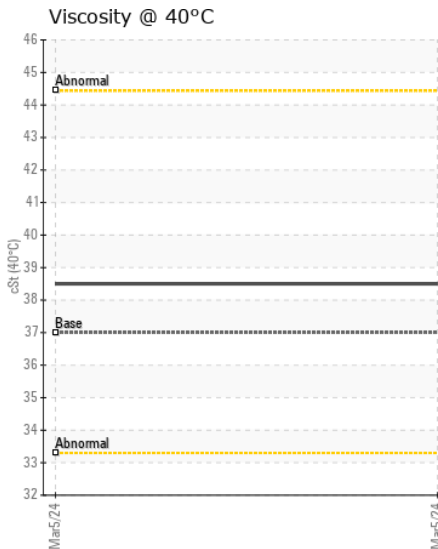
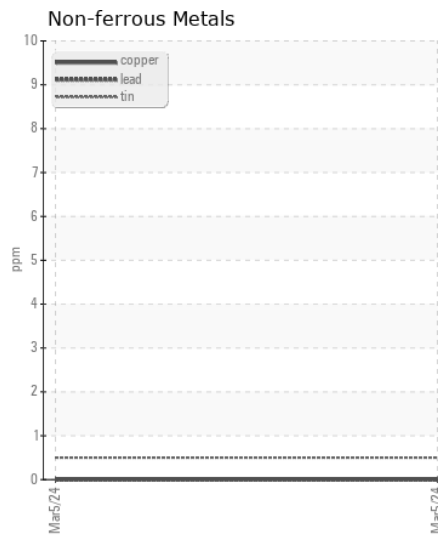
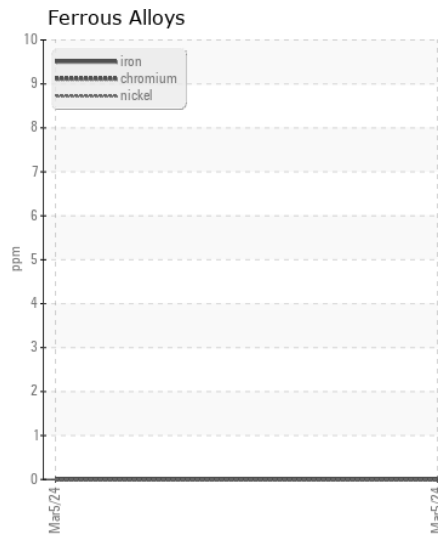
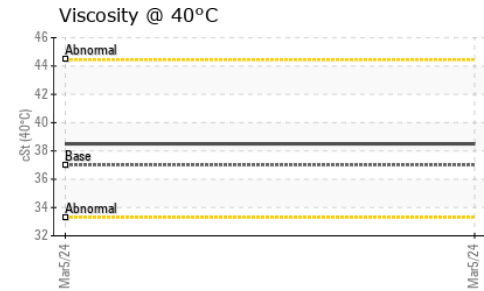
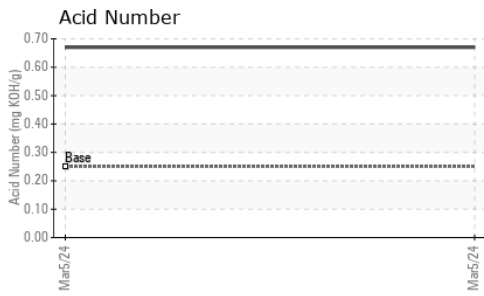
Moderate concentration of visible dirt/debris present in the oil.

|                  |        |             |       |         |     |     |
|------------------|--------|-------------|-------|---------|-----|-----|
| Silicon          | ppm    | ASTM D5185m | >25   | 3       | --- | --- |
| Potassium        | ppm    | ASTM D5185m | >20   | 0       | --- | --- |
| Water            |        | WC Method   | >0.1  | NEG     | --- | --- |
| Silt             | scalar | *Visual     | NONE  | NONE    | --- | --- |
| Debris           | scalar | *Visual     | NONE  | ▲ MODER | --- | --- |
| 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 |      | 0    | --- | --- |
| Boron            | ppm      | ASTM D5185m |      | 0    | --- | --- |
| Barium           | ppm      | ASTM D5185m |      | 0    | --- | --- |
| Molybdenum       | ppm      | ASTM D5185m |      | 0    | --- | --- |
| Manganese        | ppm      | ASTM D5185m |      | 0    | --- | --- |
| Magnesium        | ppm      | ASTM D5185m |      | 0    | --- | --- |
| Calcium          | ppm      | ASTM D5185m |      | 0    | --- | --- |
| Phosphorus       | ppm      | ASTM D5185m |      | 171  | --- | --- |
| Zinc             | ppm      | ASTM D5185m |      | 0    | --- | --- |
| Sulfur           | ppm      | ASTM D5185m |      | 0    | --- | --- |
| Acid Number (AN) | mg KOH/g | ASTM D8045  | 0.25 | 0.67 | --- | --- |
| Visc @ 40°C      | cSt      | ASTM D445   | 37   | 38.5 | --- | --- |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : CCSI2012159 **Received** : 19 Mar 2024  
**Lab Number** : 06122301 **Tested** : 21 Mar 2024  
**Unique Number** : 10936452 **Diagnosed** : 21 Mar 2024 - Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: PrtCount )

**TOTAL EQUIPMENT COMPANY**  
 46 MESA DR  
 SAINT ALBANS, WV  
 US 25177  
 Contact: JOHN NEFF

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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