



OIL ANALYSIS REPORT

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

Machine Id  
**CONNWELD 8X20 4 DECK CONNWELD WEST SCREEN NORTH TUBE (S/N 1-1910008)**

Component  
**Gearbox**

Fluid  
**DA SYNTHETIC ISO 150 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

| Test           | UOM | Method      | Limit/Abn | Current            | History1    | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number  |     | Client Info |           | <b>TO10003362</b>  | TO10002051  | ---      |
| Sample Date    |     | Client Info |           | <b>11 Mar 2024</b> | 02 Sep 2023 | ---      |
| Machine Age    | hrs | Client Info |           | <b>9000</b>        | 800         | ---      |
| Oil Age        | hrs | Client Info |           | <b>1000</b>        | 0           | ---      |
| Filter Age     | hrs | Client Info |           | <b>0</b>           | 0           | ---      |
| Oil Changed    |     | Client Info |           | <b>Changed</b>     | N/A         | ---      |
| Filter Changed |     | Client Info |           | <b>Changed</b>     | N/A         | ---      |
| Sample Status  |     |             |           | <b>NORMAL</b>      | NORMAL      | ---      |

**WEAR**

All component wear rates are normal.

|              |        |             |      |              |      |     |
|--------------|--------|-------------|------|--------------|------|-----|
| PQ           |        | ASTM D8184  |      | <b>67</b>    | 61   | --- |
| Iron         | ppm    | ASTM D5185m | >200 | <b>48</b>    | 75   | --- |
| Chromium     | ppm    | ASTM D5185m | >15  | <b>&lt;1</b> | <1   | --- |
| Nickel       | ppm    | ASTM D5185m | >15  | <b>0</b>     | <1   | --- |
| Titanium     | ppm    | ASTM D5185m |      | <b>0</b>     | 0    | --- |
| Silver       | ppm    | ASTM D5185m |      | <b>0</b>     | 0    | --- |
| Aluminum     | ppm    | ASTM D5185m | >25  | <b>&lt;1</b> | 0    | --- |
| Lead         | ppm    | ASTM D5185m | >100 | <b>0</b>     | <1   | --- |
| Copper       | ppm    | ASTM D5185m | >200 | <b>&lt;1</b> | <1   | --- |
| Tin          | ppm    | ASTM D5185m | >25  | <b>0</b>     | 0    | --- |
| Vanadium     | ppm    | ASTM D5185m |      | <b>0</b>     | 0    | --- |
| White Metal  | scalar | *Visual     | NONE | <b>NONE</b>  | NONE | --- |
| Yellow Metal | scalar | *Visual     | NONE | <b>NONE</b>  | NONE | --- |

**CONTAMINATION**

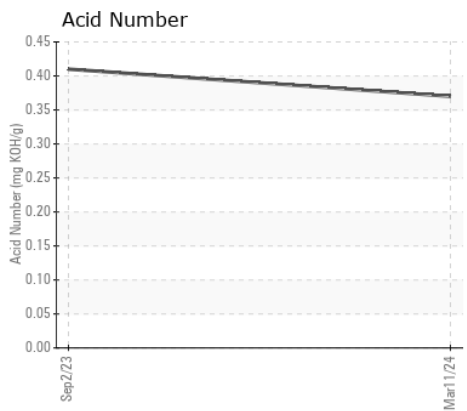
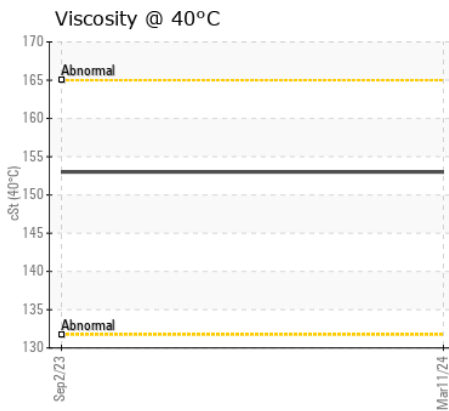
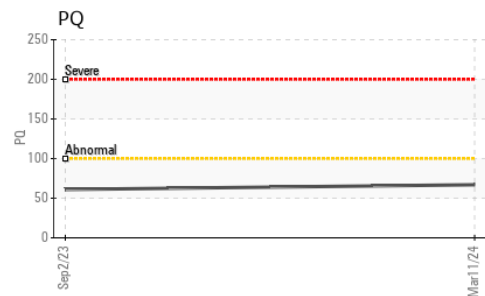
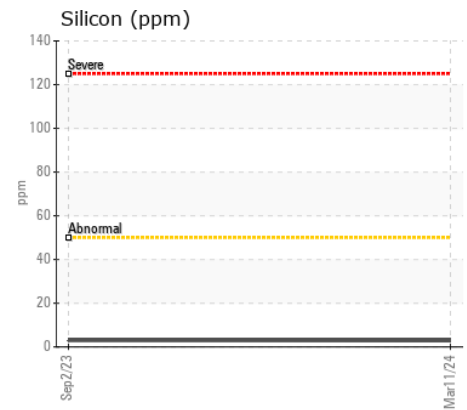
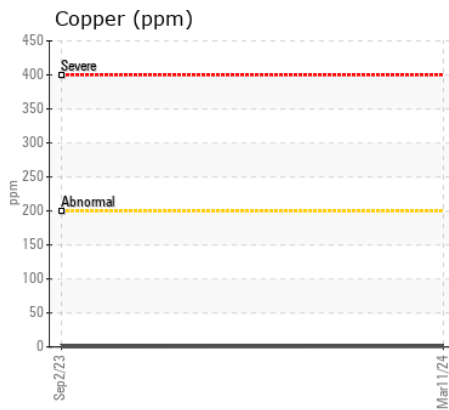
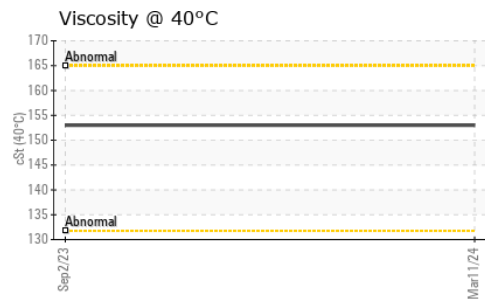
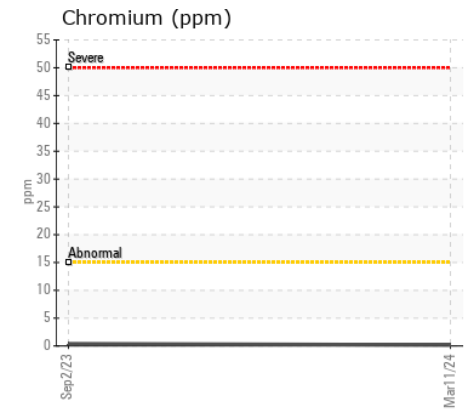
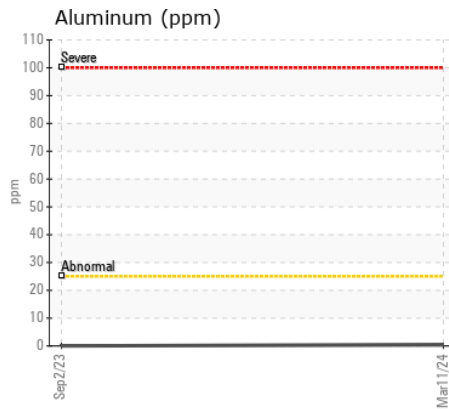
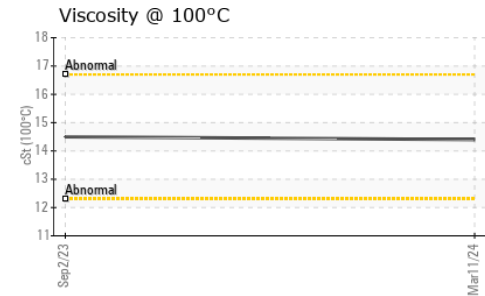
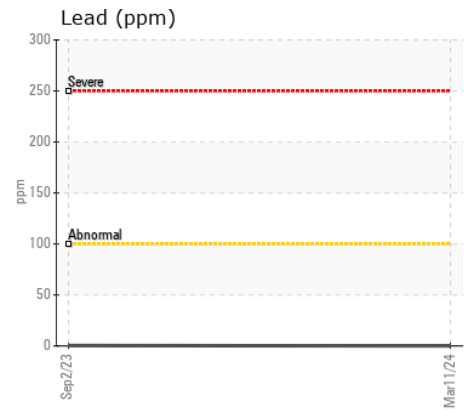
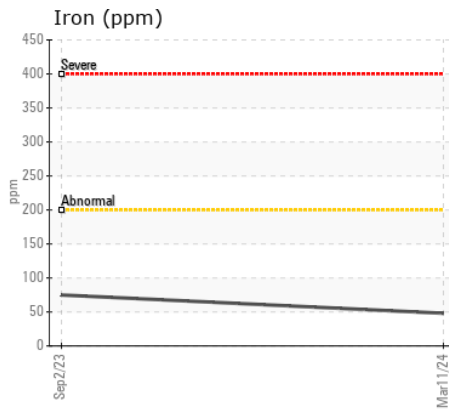
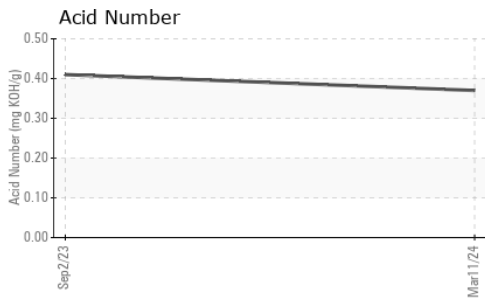
There is no indication of any contamination in the oil.

|                  |        |             |       |              |       |     |
|------------------|--------|-------------|-------|--------------|-------|-----|
| Silicon          | ppm    | ASTM D5185m | >50   | <b>3</b>     | 3     | --- |
| Potassium        | ppm    | ASTM D5185m | >20   | <b>0</b>     | 1     | --- |
| Water            |        | WC Method   | >0.2  | <b>NEG</b>   | NEG   | --- |
| Silt             | scalar | *Visual     | NONE  | <b>NONE</b>  | NONE  | --- |
| Debris           | scalar | *Visual     | NONE  | <b>LIGHT</b> | NONE  | --- |
| Sand/Dirt        | scalar | *Visual     | NONE  | <b>NONE</b>  | NONE  | --- |
| Appearance       | scalar | *Visual     | NORML | <b>NORML</b> | NORML | --- |
| Odor             | scalar | *Visual     | NORML | <b>NORML</b> | NORML | --- |
| Emulsified Water | scalar | *Visual     | >0.2  | <b>NEG</b>   | 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 |  | <b>2</b>     | 0    | --- |
| Boron                | ppm      | ASTM D5185m |  | <b>0</b>     | 0    | --- |
| Barium               | ppm      | ASTM D5185m |  | <b>0</b>     | 0    | --- |
| Molybdenum           | ppm      | ASTM D5185m |  | <b>4</b>     | 0    | --- |
| Manganese            | ppm      | ASTM D5185m |  | <b>&lt;1</b> | <1   | --- |
| Magnesium            | ppm      | ASTM D5185m |  | <b>3</b>     | 2    | --- |
| Calcium              | ppm      | ASTM D5185m |  | <b>16</b>    | 10   | --- |
| Phosphorus           | ppm      | ASTM D5185m |  | <b>176</b>   | 137  | --- |
| Zinc                 | ppm      | ASTM D5185m |  | <b>&lt;1</b> | 6    | --- |
| Sulfur               | ppm      | ASTM D5185m |  | <b>12337</b> | 4322 | --- |
| Acid Number (AN)     | mg KOH/g | ASTM D8045  |  | <b>0.37</b>  | 0.41 | --- |
| Visc @ 40°C          | cSt      | ASTM D445   |  | <b>153</b>   | 153  | --- |
| Visc @ 100°C         | cSt      | ASTM D445   |  | <b>14.4</b>  | 14.5 | --- |
| Viscosity Index (VI) | Scale    | ASTM D2270  |  | <b>91</b>    | 92   | --- |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : TO10003362

**Lab Number** : 06123227

**Unique Number** : 10937378

**Test Package** : MOB 2 ( Additional Tests: KV100, PQ, VI )

**Received** : 19 Mar 2024

**Tested** : 20 Mar 2024

**Diagnosed** : 20 Mar 2024 - Wes Davis

**ANCHOR STONE TULSA ROCK**

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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)