



**POWER SYSTEMS**  
**SYSTÈMES DE PUISSANCE**

**OIL ANALYSIS REPORT**

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

Machine Id  
**HURTH 17-20394**  
Component  
**Starboard Transmission (Auto)**  
Fluid  
**ATF (--- GAL)**

**RECOMMENDATION**

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

**WEAR**

Les taux d'usure de tous les composants sont normaux.

**CONTAMINATION**

Il n'y a aucun indice de contamination dans le fluide.

**FLUID CONDITION**

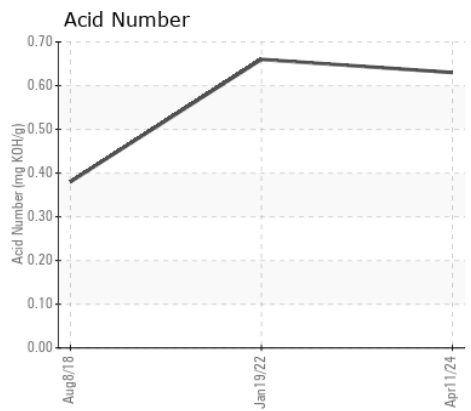
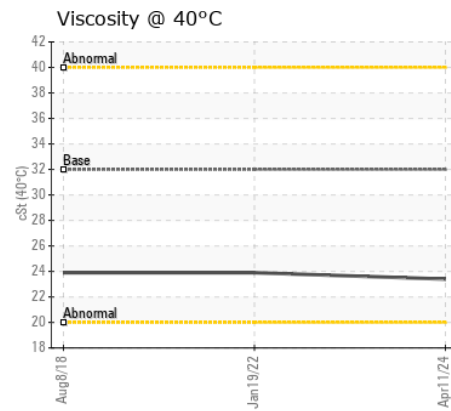
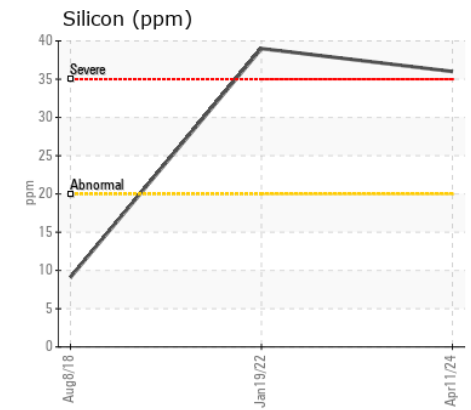
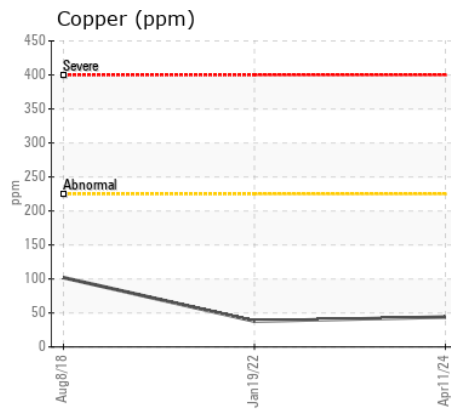
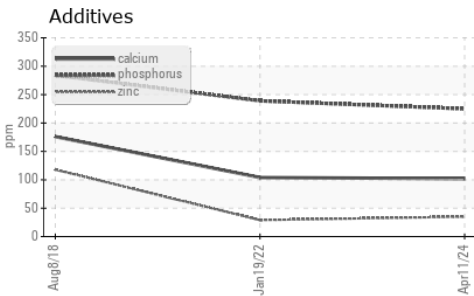
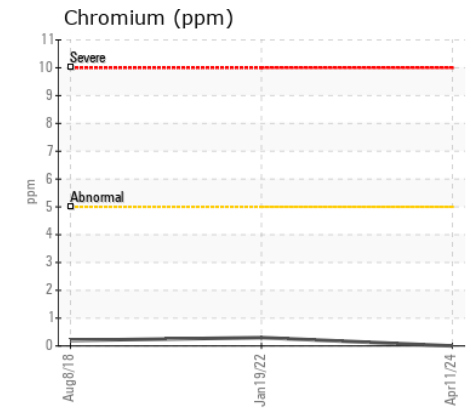
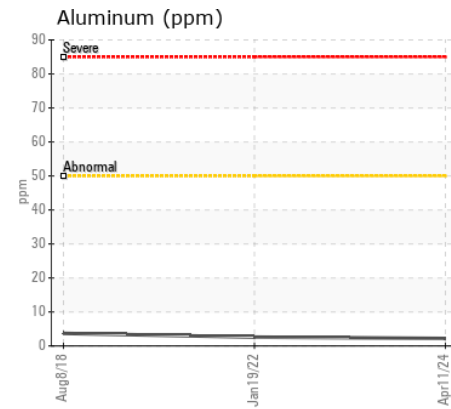
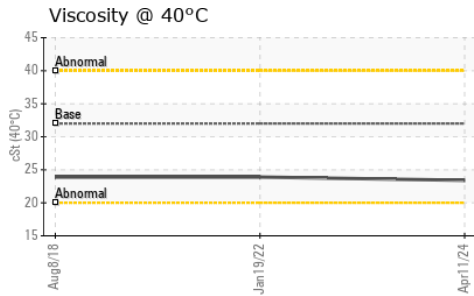
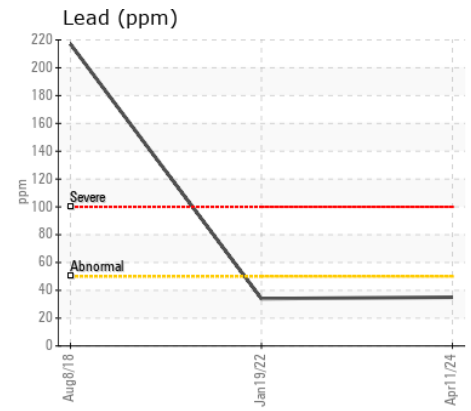
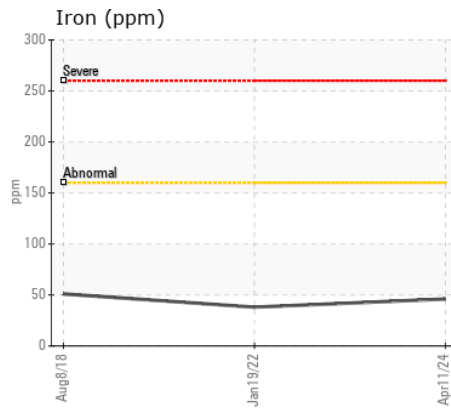
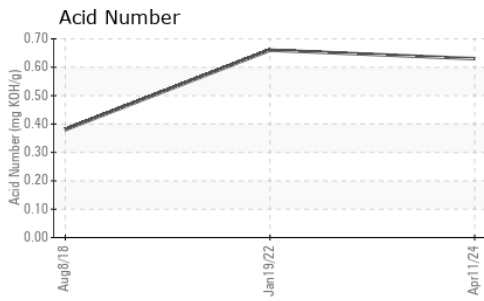
Le AN est acceptable pour ce fluide. L'état de le fluide permet d'en prolonger l'utilisation.

| Test           | UOM | Method      | Limit/Abn | Current            | History1    | History2    |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number  |     | Client Info |           | <b>WA0018860</b>   | WA0017119   | WA0012868   |
| Sample Date    |     | Client Info |           | <b>11 Apr 2024</b> | 19 Jan 2022 | 08 Aug 2018 |
| Machine Age    | hrs | Client Info |           | <b>995</b>         | 0           | 0           |
| Oil Age        | hrs | Client Info |           | <b>100</b>         | 0           | 17          |
| Filter Age     | hrs | Client Info |           | <b>0</b>           | 0           | 17          |
| Oil Changed    |     | Client Info |           | <b>Changed</b>     | N/A         | Not Changd  |
| Filter Changed |     | Client Info |           | <b>N/A</b>         | N/A         | Not Changd  |
| Sample Status  |     |             |           | <b>NORMAL</b>      | NORMAL      | SEVERE      |

|              |        |               |      |              |      |       |
|--------------|--------|---------------|------|--------------|------|-------|
| Iron         | ppm    | ASTM D5185(m) | >160 | <b>46</b>    | 38   | 51    |
| Chromium     | ppm    | ASTM D5185(m) | >5   | <b>0</b>     | <1   | <1    |
| Nickel       | ppm    | ASTM D5185(m) | >5   | <b>&lt;1</b> | <1   | <1    |
| Titanium     | ppm    | ASTM D5185(m) |      | <b>0</b>     | <1   | 0     |
| Silver       | ppm    | ASTM D5185(m) | >5   | <b>0</b>     | 0    | 0     |
| Aluminum     | ppm    | ASTM D5185(m) | >50  | <b>2</b>     | 3    | 4     |
| Lead         | ppm    | ASTM D5185(m) | >50  | <b>35</b>    | 34   | ▲ 217 |
| Copper       | ppm    | ASTM D5185(m) | >225 | <b>44</b>    | 38   | 102   |
| Tin          | ppm    | ASTM D5185(m) | >10  | <b>&lt;1</b> | <1   | <1    |
| Vanadium     | ppm    | ASTM D5185(m) |      | <b>0</b>     | 0    | 0     |
| White Metal  | scalar | Visual*       | NONE | <b>NONE</b>  | NONE | NONE  |
| Yellow Metal | scalar | Visual*       | NONE | <b>NONE</b>  | NONE | NONE  |

|                  |        |               |       |              |       |       |
|------------------|--------|---------------|-------|--------------|-------|-------|
| Silicon          | ppm    | ASTM D5185(m) | >20   | <b>36</b>    | 39    | 9     |
| Potassium        | ppm    | ASTM D5185(m) | >20   | <b>3</b>     | 3     | 3     |
| Water            |        | WC Method     | >0.1  | <b>NEG</b>   | NEG   | NEG   |
| Silt             | scalar | Visual*       | NONE  | <b>NONE</b>  | NONE  | NONE  |
| Debris           | scalar | Visual*       | NONE  | <b>VLITE</b> | VLITE | VLITE |
| Sand/Dirt        | scalar | Visual*       | NONE  | <b>NONE</b>  | VLITE | 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>   | NEG   | NEG   |

|                  |          |               |      |              |      |      |
|------------------|----------|---------------|------|--------------|------|------|
| Sodium           | ppm      | ASTM D5185(m) |      | <b>4</b>     | 3    | 7    |
| Boron            | ppm      | ASTM D5185(m) |      | <b>90</b>    | 99   | 75   |
| Barium           | ppm      | ASTM D5185(m) |      | <b>8</b>     | 8    | 381  |
| Molybdenum       | ppm      | ASTM D5185(m) |      | <b>0</b>     | <1   | 0    |
| Manganese        | ppm      | ASTM D5185(m) |      | <b>&lt;1</b> | <1   | 1    |
| Magnesium        | ppm      | ASTM D5185(m) |      | <b>1</b>     | <1   | 3    |
| Calcium          | ppm      | ASTM D5185(m) |      | <b>102</b>   | 104  | 176  |
| Phosphorus       | ppm      | ASTM D5185(m) |      | <b>225</b>   | 239  | 284  |
| Zinc             | ppm      | ASTM D5185(m) |      | <b>35</b>    | 29   | 118  |
| Sulfur           | ppm      | ASTM D5185(m) |      | <b>881</b>   | 903  | 2629 |
| Acid Number (AN) | mg KOH/g | ASTM D974*    |      | <b>0.63</b>  | 0.66 | 0.38 |
| Visc @ 40°C      | cSt      | ASTM D7279(m) | 32.0 | <b>23.4</b>  | 23.9 | 23.9 |



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WA0018860 **Received** : 18 Apr 2024  
**Lab Number** : 02629986 **Tested** : 18 Apr 2024  
**Unique Number** : 5763118 **Diagnosed** : 18 Apr 2024 - Kevin Marson  
**Test Package** : MOB 2 ( Additional Tests: TAN Man )

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.

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