



# VOLVO

## OIL ANALYSIS REPORT

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

Area

**[BTBC-003199]**

Machine Id

**T12-04**

Component

**Auxiliary Winch**

Fluid

**TOTAL FINA CARTER SP ISO 150 (--- GAL)**



### RECOMMENDATION

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

| Test           | UOM | Method      | Limit/Abn | Current            | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|----------|----------|
| Sample Number  |     | Client Info |           | <b>VCP394441</b>   | ---      | ---      |
| Sample Date    |     | Client Info |           | <b>27 Mar 2024</b> | ---      | ---      |
| Machine Age    | kms | Client Info |           | <b>1966</b>        | ---      | ---      |
| Oil Age        | kms | Client Info |           | <b>0</b>           | ---      | ---      |
| Filter Age     | kms | Client Info |           | <b>0</b>           | ---      | ---      |
| Oil Changed    |     | Client Info |           | <b>Changed</b>     | ---      | ---      |
| Filter Changed |     | Client Info |           | <b>Not Changed</b> | ---      | ---      |
| Sample Status  |     |             |           | <b>ABNORMAL</b>    | ---      | ---      |

### WEAR

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

|              |        |               |      |             |     |     |
|--------------|--------|---------------|------|-------------|-----|-----|
| Iron         | ppm    | ASTM D5185(m) | >150 | <b>8</b>    | --- | --- |
| Chromium     | ppm    | ASTM D5185(m) | >10  | <b>0</b>    | --- | --- |
| Nickel       | ppm    | ASTM D5185(m) | >10  | <b>0</b>    | --- | --- |
| Titanium     | ppm    | ASTM D5185(m) |      | <b>0</b>    | --- | --- |
| Silver       | ppm    | ASTM D5185(m) |      | <b>0</b>    | --- | --- |
| Aluminum     | ppm    | ASTM D5185(m) | >5   | <b>0</b>    | --- | --- |
| Lead         | ppm    | ASTM D5185(m) | >15  | <b>0</b>    | --- | --- |
| Copper       | ppm    | ASTM D5185(m) | >80  | <b>2</b>    | --- | --- |
| Tin          | ppm    | ASTM D5185(m) |      | <b>0</b>    | --- | --- |
| Vanadium     | ppm    | ASTM D5185(m) |      | <b>0</b>    | --- | --- |
| White Metal  | scalar | Visual*       | NONE | <b>NONE</b> | --- | --- |
| Yellow Metal | scalar | Visual*       | NONE | <b>NONE</b> | --- | --- |

### CONTAMINATION

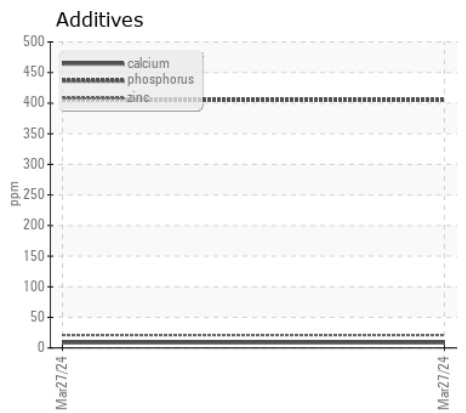
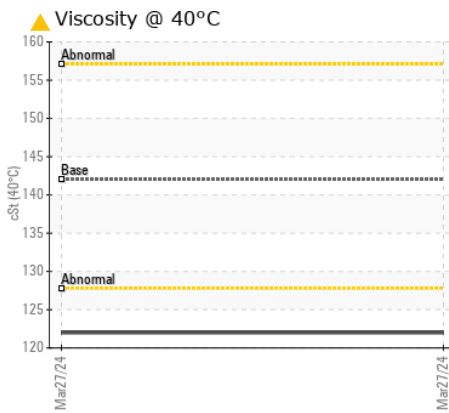
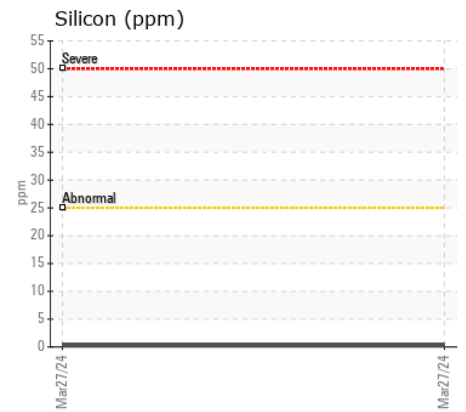
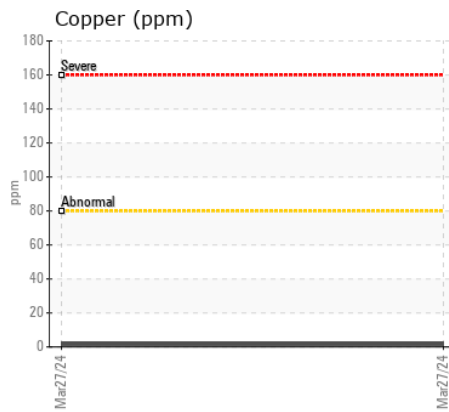
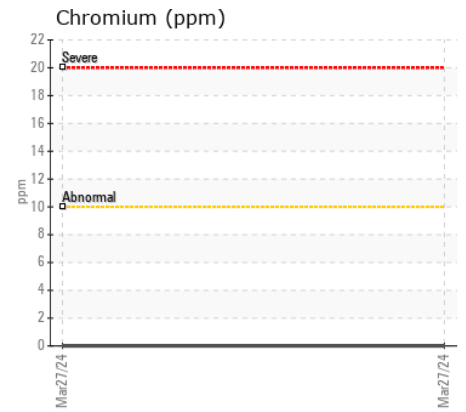
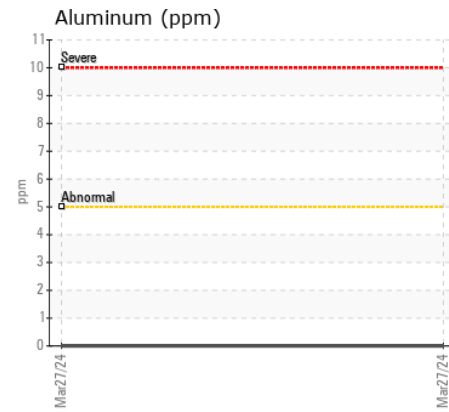
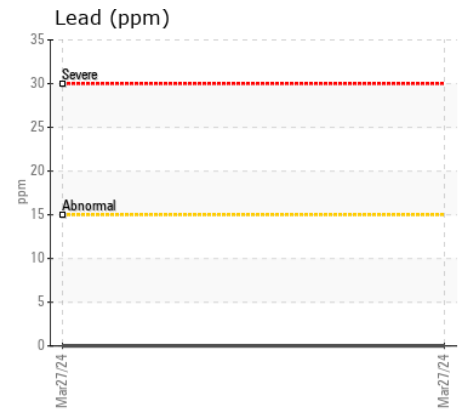
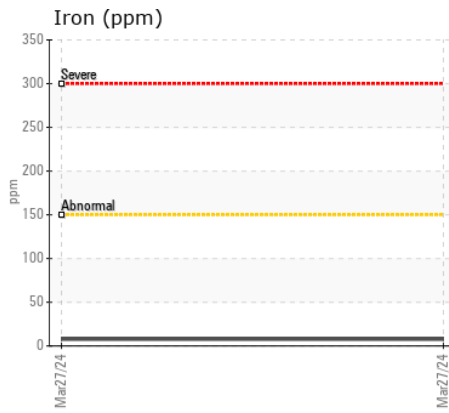
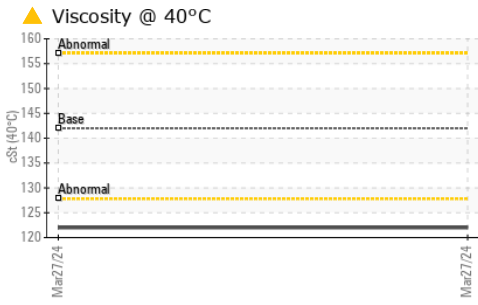
Il n'y a aucun indice de contamination dans l'huile.

|                  |        |               |       |              |     |     |
|------------------|--------|---------------|-------|--------------|-----|-----|
| Silicon          | ppm    | ASTM D5185(m) | >25   | <b>&lt;1</b> | --- | --- |
| Potassium        | ppm    | ASTM D5185(m) | >20   | <b>&lt;1</b> | --- | --- |
| Water            |        | WC Method     | >0.2  | <b>NEG</b>   | --- | --- |
| Silt             | scalar | Visual*       | NONE  | <b>NONE</b>  | --- | --- |
| Debris           | scalar | Visual*       | NONE  | <b>NONE</b>  | --- | --- |
| Sand/Dirt        | scalar | Visual*       | NONE  | <b>NONE</b>  | --- | --- |
| Appearance       | scalar | Visual*       | NORML | <b>NORML</b> | --- | --- |
| Odor             | scalar | Visual*       | NORML | <b>NORML</b> | --- | --- |
| Emulsified Water | scalar | Visual*       | >0.2  | <b>NEG</b>   | --- | --- |

### FLUID CONDITION

La viscosité de l'échantillon se situe dans la portée de l'ISO 100; nous vous conseillons de vérifier. L'état de l'huile est acceptable pour la durée de service.

|             |     |               |     |              |     |     |
|-------------|-----|---------------|-----|--------------|-----|-----|
| Sodium      | ppm | ASTM D5185(m) |     | <b>&lt;1</b> | --- | --- |
| Boron       | ppm | ASTM D5185(m) |     | <b>13</b>    | --- | --- |
| Barium      | ppm | ASTM D5185(m) |     | <b>0</b>     | --- | --- |
| Molybdenum  | ppm | ASTM D5185(m) |     | <b>0</b>     | --- | --- |
| Manganese   | ppm | ASTM D5185(m) |     | <b>0</b>     | --- | --- |
| Magnesium   | ppm | ASTM D5185(m) |     | <b>&lt;1</b> | --- | --- |
| Calcium     | ppm | ASTM D5185(m) |     | <b>9</b>     | --- | --- |
| Phosphorus  | ppm | ASTM D5185(m) |     | <b>405</b>   | --- | --- |
| Zinc        | ppm | ASTM D5185(m) |     | <b>21</b>    | --- | --- |
| Sulfur      | ppm | ASTM D5185(m) |     | <b>4746</b>  | --- | --- |
| Visc @ 40°C | cSt | ASTM D7279(m) | 142 | <b>▲ 122</b> | --- | --- |



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : VCP394441 **Received** : 05 Apr 2024  
**Lab Number** : 02627045 **Tested** : 05 Apr 2024  
**Unique Number** : 5760177 **Diagnosed** : 08 Apr 2024 - Kevin Marson  
**Test Package** : MOB 1

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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.