



# OIL ANALYSIS REPORT

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

Area  
**CITY OF GUELPH [392588]**  
 Machine Id  
**VOLVO PENTA L110H 632544**  
 Component  
**Rear Axle**  
 Fluid  
**VOLVO WB 102 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

| Test           | UOM | Method      | Limit/Abn | Current     | History1 | History2 |
|----------------|-----|-------------|-----------|-------------|----------|----------|
| Sample Number  |     | Client Info |           | VCP449489   | ---      | ---      |
| Sample Date    |     | Client Info |           | 02 Feb 2024 | ---      | ---      |
| Machine Age    | hrs | Client Info |           | 1088        | ---      | ---      |
| Oil Age        | hrs | Client Info |           | 1088        | ---      | ---      |
| 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 D5185(m) | >200 | 81   | --- | --- |
| Chromium     | ppm    | ASTM D5185(m) | >10  | 2    | --- | --- |
| Nickel       | ppm    | ASTM D5185(m) | >10  | <1   | --- | --- |
| Titanium     | ppm    | ASTM D5185(m) |      | 0    | --- | --- |
| Silver       | ppm    | ASTM D5185(m) |      | 0    | --- | --- |
| Aluminum     | ppm    | ASTM D5185(m) |      | 2    | --- | --- |
| Lead         | ppm    | ASTM D5185(m) |      | 0    | --- | --- |
| Copper       | ppm    | ASTM D5185(m) |      | 1    | --- | --- |
| Tin          | ppm    | ASTM D5185(m) |      | 0    | --- | --- |
| Vanadium     | ppm    | ASTM D5185(m) |      | 0    | --- | --- |
| White Metal  | scalar | Visual*       | NONE | NONE | --- | --- |
| Yellow Metal | scalar | Visual*       | NONE | NONE | --- | --- |

## CONTAMINATION

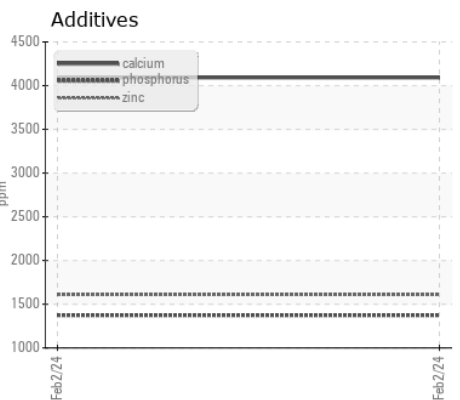
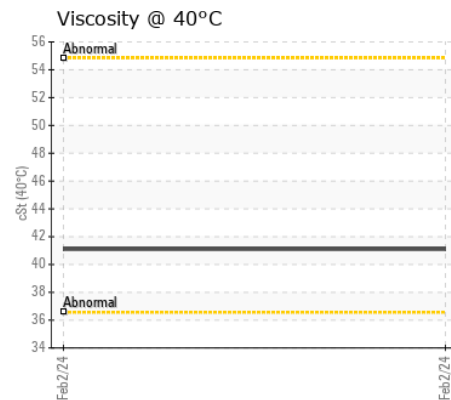
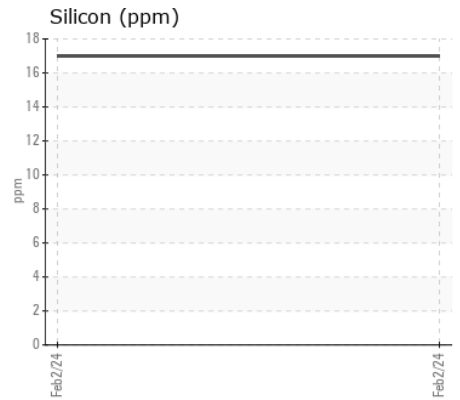
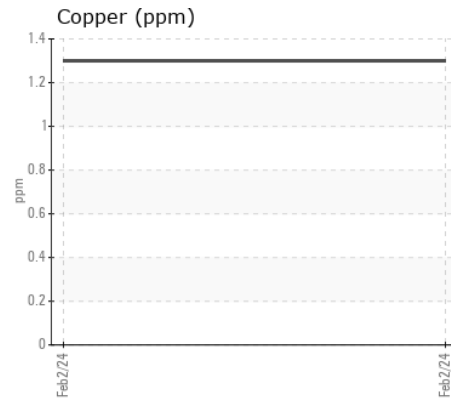
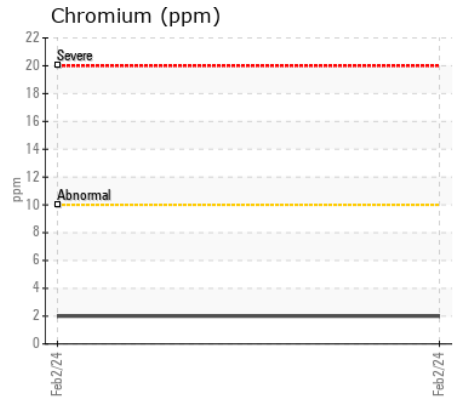
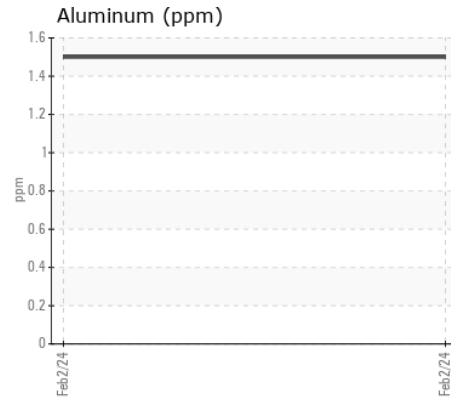
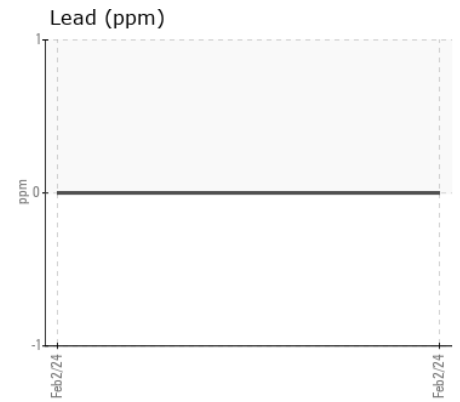
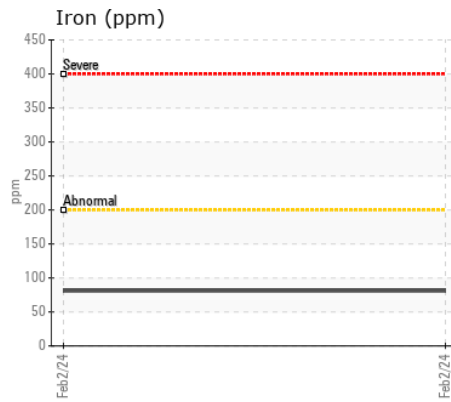
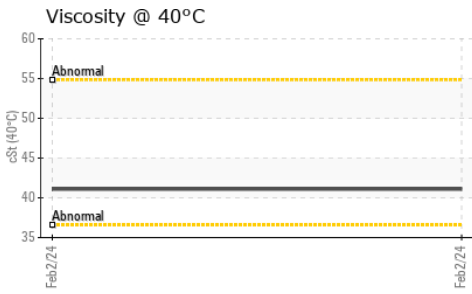
There is no indication of any contamination in the oil.

|                  |        |               |       |       |     |     |
|------------------|--------|---------------|-------|-------|-----|-----|
| Silicon          | ppm    | ASTM D5185(m) |       | 17    | --- | --- |
| Potassium        | ppm    | ASTM D5185(m) | >20   | 2     | --- | --- |
| Water            |        | WC Method     | >0.2  | 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*       | >0.2  | NEG   | --- | --- |

## FLUID CONDITION

The condition of the oil is acceptable for the time in service.

|             |     |               |  |      |     |     |
|-------------|-----|---------------|--|------|-----|-----|
| Sodium      | ppm | ASTM D5185(m) |  | 3    | --- | --- |
| Boron       | ppm | ASTM D5185(m) |  | 116  | --- | --- |
| Barium      | ppm | ASTM D5185(m) |  | 0    | --- | --- |
| Molybdenum  | ppm | ASTM D5185(m) |  | 6    | --- | --- |
| Manganese   | ppm | ASTM D5185(m) |  | 5    | --- | --- |
| Magnesium   | ppm | ASTM D5185(m) |  | 9    | --- | --- |
| Calcium     | ppm | ASTM D5185(m) |  | 4092 | --- | --- |
| Phosphorus  | ppm | ASTM D5185(m) |  | 1374 | --- | --- |
| Zinc        | ppm | ASTM D5185(m) |  | 1608 | --- | --- |
| Sulfur      | ppm | ASTM D5185(m) |  | 3536 | --- | --- |
| Visc @ 40°C | cSt | ASTM D7279(m) |  | 41.1 | --- | --- |



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : VCP449489 **Received** : 15 Feb 2024  
**Lab Number** : 02616068 **Tested** : 15 Feb 2024  
**Unique Number** : 5733178 **Diagnosed** : 15 Feb 2024 - Wes Davis  
**Test Package** : MOB 1

**Strongco Equipment**  
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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.