



# ASCENDUM

## OIL ANALYSIS REPORT

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



Machine Id  
**VOLVO EC250 310460**  
Component  
**Swing Drive**  
Fluid  
**{not provided} (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

### WEAR

All component wear rates are normal.

### CONTAMINATION

There is no indication of any contamination in the oil.

### FLUID CONDITION

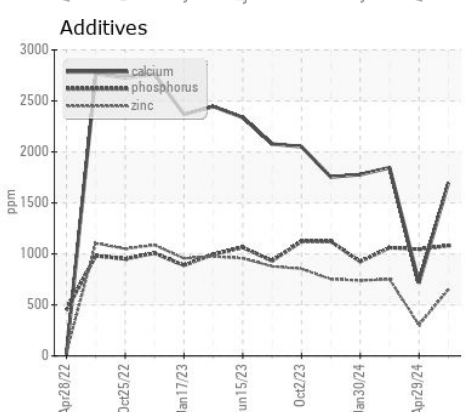
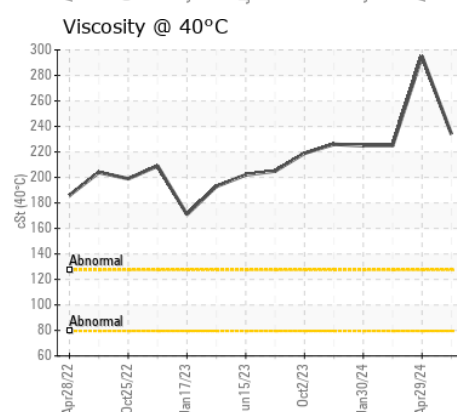
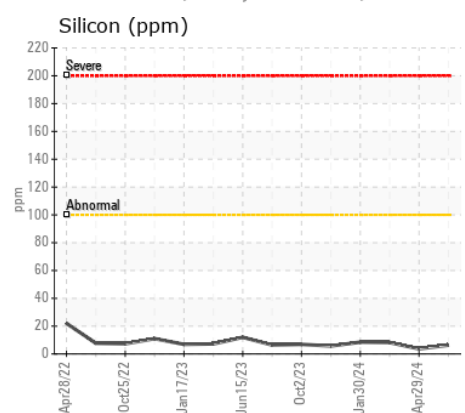
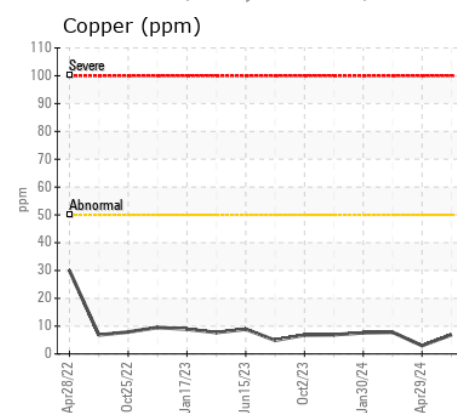
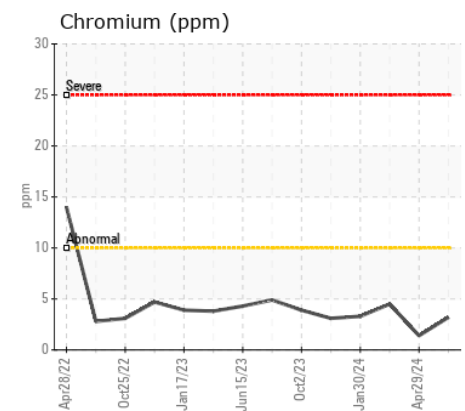
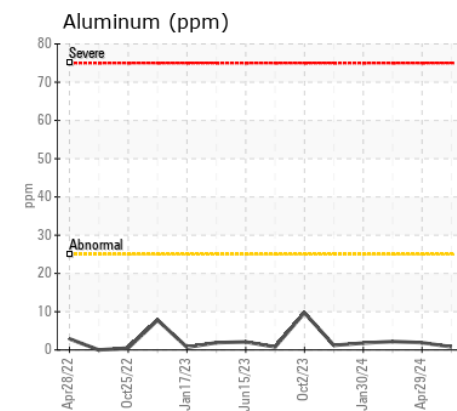
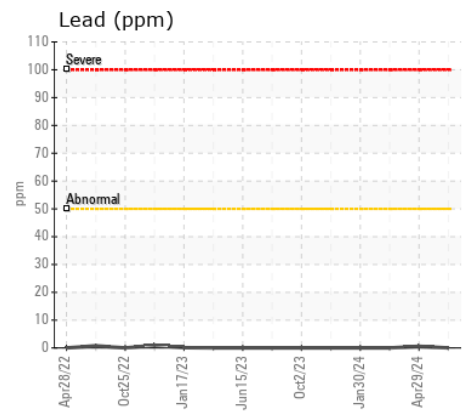
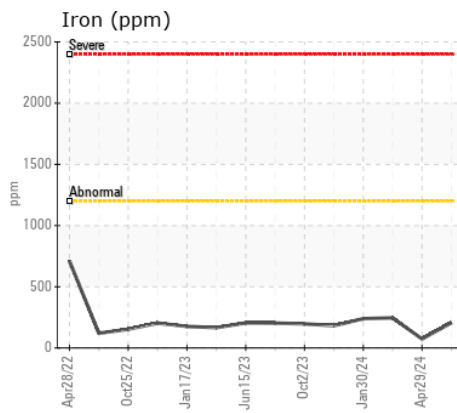
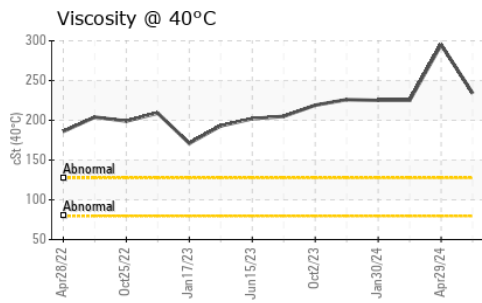
The condition of the oil is acceptable for the time in service.

| Test           | UOM | Method      | Limit/Abn | Current            | History1    | History2    |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number  |     | Client Info |           | <b>ASC0002339</b>  | ASC0010089  | ASC0010350  |
| Sample Date    |     | Client Info |           | <b>19 Jun 2024</b> | 29 Apr 2024 | 26 Mar 2024 |
| Machine Age    | hrs | Client Info |           | <b>4027</b>        | 3841        | 3841        |
| Oil Age        | hrs | Client Info |           | <b>1000</b>        | 0           | 1000        |
| Filter Age     | hrs | Client Info |           | <b>0</b>           | 0           | 0           |
| Oil Changed    |     | Client Info |           | <b>Not Changd</b>  | Not Changd  | Not Changd  |
| Filter Changed |     | Client Info |           | <b>N/A</b>         | N/A         | N/A         |
| Sample Status  |     |             |           | <b>NORMAL</b>      | NORMAL      | NORMAL      |

|              |        |             |       |              |      |      |
|--------------|--------|-------------|-------|--------------|------|------|
| Iron         | ppm    | ASTM D5185m | >1200 | <b>206</b>   | 73   | 246  |
| Chromium     | ppm    | ASTM D5185m | >10   | <b>3</b>     | 1    | 4    |
| Nickel       | ppm    | ASTM D5185m | >10   | <b>0</b>     | <1   | <1   |
| Titanium     | ppm    | ASTM D5185m |       | <b>0</b>     | <1   | <1   |
| Silver       | ppm    | ASTM D5185m |       | <b>0</b>     | 0    | 0    |
| Aluminum     | ppm    | ASTM D5185m | >25   | <b>&lt;1</b> | 2    | 2    |
| Lead         | ppm    | ASTM D5185m | >50   | <b>0</b>     | <1   | 0    |
| Copper       | ppm    | ASTM D5185m | >50   | <b>7</b>     | 3    | 8    |
| Tin          | ppm    | ASTM D5185m | >10   | <b>0</b>     | <1   | <1   |
| Vanadium     | ppm    | ASTM D5185m |       | <b>0</b>     | <1   | <1   |
| White Metal  | scalar | *Visual     | NONE  | <b>NONE</b>  | NONE | NONE |
| Yellow Metal | scalar | *Visual     | NONE  | <b>NONE</b>  | NONE | NONE |

|                  |        |             |       |              |       |       |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon          | ppm    | ASTM D5185m | >100  | <b>6</b>     | 4     | 8     |
| Potassium        | ppm    | ASTM D5185m | >20   | <b>1</b>     | 2     | <1    |
| Water            |        | WC Method   | >0.25 | <b>NEG</b>   | NEG   | NEG   |
| Silt             | scalar | *Visual     | NONE  | <b>NONE</b>  | NONE  | NONE  |
| Debris           | scalar | *Visual     | NONE  | <b>NONE</b>  | NONE  | NONE  |
| Sand/Dirt        | scalar | *Visual     | NONE  | <b>NONE</b>  | NONE  | NONE  |
| Appearance       | scalar | *Visual     | NORML | <b>NORML</b> | NORML | NORML |
| Odor             | scalar | *Visual     | NORML | <b>NORML</b> | NORML | NORML |
| Emulsified Water | scalar | *Visual     | >0.25 | <b>NEG</b>   | NEG   | NEG   |

|             |     |             |  |              |       |       |
|-------------|-----|-------------|--|--------------|-------|-------|
| Sodium      | ppm | ASTM D5185m |  | <b>2</b>     | 0     | 1     |
| Boron       | ppm | ASTM D5185m |  | <b>84</b>    | 158   | 75    |
| Barium      | ppm | ASTM D5185m |  | <b>0</b>     | 0     | 0     |
| Molybdenum  | ppm | ASTM D5185m |  | <b>0</b>     | <1    | <1    |
| Manganese   | ppm | ASTM D5185m |  | <b>3</b>     | 1     | 4     |
| Magnesium   | ppm | ASTM D5185m |  | <b>11</b>    | 6     | 17    |
| Calcium     | ppm | ASTM D5185m |  | <b>1696</b>  | 717   | 1846  |
| Phosphorus  | ppm | ASTM D5185m |  | <b>1080</b>  | 1046  | 1061  |
| Zinc        | ppm | ASTM D5185m |  | <b>651</b>   | 304   | 751   |
| Sulfur      | ppm | ASTM D5185m |  | <b>21115</b> | 24955 | 19079 |
| Visc @ 40°C | cSt | ASTM D445   |  | <b>234</b>   | 295   | 225   |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ASC0002339  
**Lab Number** : 06220183  
**Unique Number** : 11098380  
**Test Package** : MOBCE

**Received** : 25 Jun 2024  
**Tested** : 26 Jun 2024  
**Diagnosed** : 27 Jun 2024 - Sean Felton

**113 - ASCENDUM MACHINERY INC - GARNER**  
 3561 JONES SAUSAGE ROAD  
 GARNER, NC  
 US 27529

Contact: TRENT BROADWELL  
 trent.broadwell@ascendummachinery.com

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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