



# ASCENDUM

## OIL ANALYSIS REPORT

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



Machine Id  
**VOLVO A25G 752092**  
Component  
**Transmission (Auto)**  
Fluid  
**VOLVO AT 102 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

### WEAR

All component wear rates are normal.

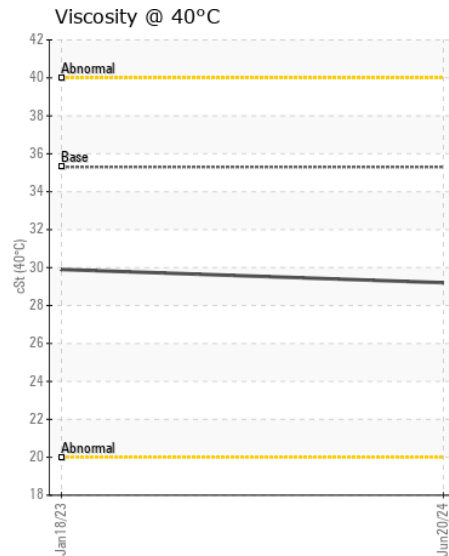
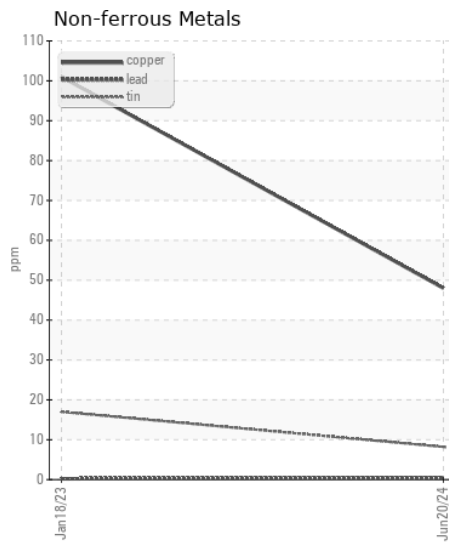
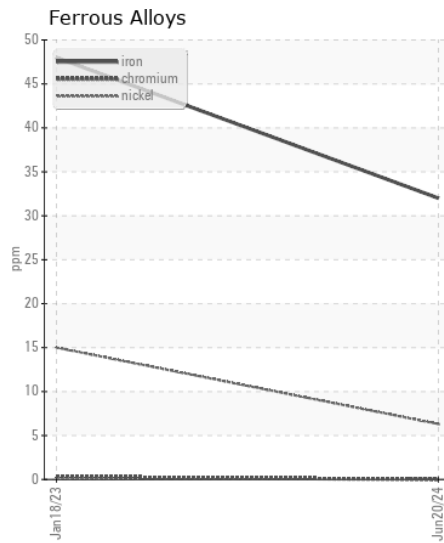
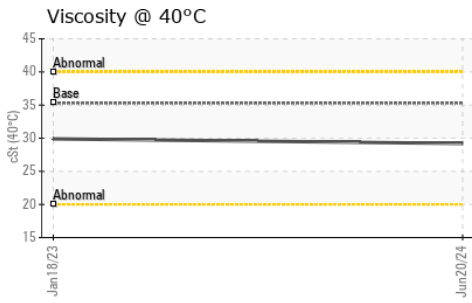
### CONTAMINATION

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>ASC0010823</b>  | VCP389181   | ---      |
| Sample Date      |        | Client Info |           | <b>20 Jun 2024</b> | 18 Jan 2023 | ---      |
| Machine Age      | hrs    | Client Info |           | <b>3040</b>        | 1979        | ---      |
| Oil Age          | hrs    | Client Info |           | <b>0</b>           | 0           | ---      |
| Filter Age       | hrs    | Client Info |           | <b>0</b>           | 0           | ---      |
| Oil Changed      |        | Client Info |           | <b>Not Changed</b> | Changed     | ---      |
| Filter Changed   |        | Client Info |           | <b>Changed</b>     | Changed     | ---      |
| Sample Status    |        |             |           | <b>NORMAL</b>      | ABNORMAL    | ---      |
| Iron             | ppm    | ASTM D5185m | >175      | <b>32</b>          | 48          | ---      |
| Chromium         | ppm    | ASTM D5185m | >2        | <b>0</b>           | <1          | ---      |
| Nickel           | ppm    | ASTM D5185m | >5        | <b>6</b>           | ▲ 15        | ---      |
| Titanium         | ppm    | ASTM D5185m | >5        | <b>0</b>           | 0           | ---      |
| Silver           | ppm    | ASTM D5185m | >2        | <b>&lt;1</b>       | 0           | ---      |
| Aluminum         | ppm    | ASTM D5185m | >50       | <b>26</b>          | 41          | ---      |
| Lead             | ppm    | ASTM D5185m | >75       | <b>&lt;1</b>       | <1          | ---      |
| Copper           | ppm    | ASTM D5185m | >400      | <b>48</b>          | 101         | ---      |
| Tin              | ppm    | ASTM D5185m | >20       | <b>8</b>           | ▲ 17        | ---      |
| Vanadium         | ppm    | ASTM D5185m |           | <b>&lt;1</b>       | 0           | ---      |
| White Metal      | scalar | *Visual     | NONE      | <b>NONE</b>        | NONE        | ---      |
| Yellow Metal     | scalar | *Visual     | NONE      | <b>NONE</b>        | NONE        | ---      |
| Silicon          | ppm    | ASTM D5185m | >40       | <b>6</b>           | 14          | ---      |
| Potassium        | ppm    | ASTM D5185m | >20       | <b>2</b>           | 5           | ---      |
| Water            |        | WC Method   | >0.1      | <b>NEG</b>         | NEG         | ---      |
| Silt             | scalar | *Visual     | NONE      | <b>NONE</b>        | NONE        | ---      |
| Debris           | scalar | *Visual     | NONE      | <b>NONE</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     | >0.1      | <b>NEG</b>         | NEG         | ---      |
| Sodium           | ppm    | ASTM D5185m |           | <b>8</b>           | 6           | ---      |
| Boron            | ppm    | ASTM D5185m | 187       | <b>83</b>          | 91          | ---      |
| Barium           | ppm    | ASTM D5185m | 0.0       | <b>&lt;1</b>       | 3           | ---      |
| Molybdenum       | ppm    | ASTM D5185m | 0.0       | <b>&lt;1</b>       | <1          | ---      |
| Manganese        | ppm    | ASTM D5185m | 0.0       | <b>2</b>           | 4           | ---      |
| Magnesium        | ppm    | ASTM D5185m | 6.8       | <b>2</b>           | 2           | ---      |
| Calcium          | ppm    | ASTM D5185m | 215       | <b>118</b>         | 167         | ---      |
| Phosphorus       | ppm    | ASTM D5185m | 445       | <b>213</b>         | 275         | ---      |
| Zinc             | ppm    | ASTM D5185m | 56        | <b>15</b>          | 10          | ---      |
| Sulfur           | ppm    | ASTM D5185m | 1336      | <b>1823</b>        | 1448        | ---      |
| Visc @ 40°C      | cSt    | ASTM D445   | 35.3      | <b>29.2</b>        | 29.9        | ---      |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ASC0010823  
**Lab Number** : 06222941  
**Unique Number** : 11101138  
**Test Package** : CONST

**Received** : 27 Jun 2024  
**Tested** : 28 Jun 2024  
**Diagnosed** : 30 Jun 2024 - Don Baldrige

**365 - ASCENDUM MACHINERY INC - SAVANNAH**  
 54 MEDLINE DR  
 RICHMOND HILL, GA  
 US 31324  
 Contact: JESSE WILSON  
 jesse.wilson@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)

T:  
 F: (912)964-9515