



# CONSTRUCTION EQUIPMENT

## SWA53217 - FRONT AXLE



**Sample No:** VCP398120  
**Oil Type:** {unknown}  
**Job No:** SWA53217



**ALTA EQUIPMENT COMPANY - METRO WEST**  
 56195 PONTIAC TRAIL  
 NEW HUDSON, MI  
 US 48165  
 Contact: PAUL ELZERMAN  
 paul.elzerman@altaequipment.com  
 T: (248)356-5200  
 F: (248)356-2029



### SAMPLE INFORMATION

|               |                    |             |     |     |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | <b>VCP398120</b>   | VCP0007645  | --- | --- |
| Sample Date   | <b>26 Apr 2024</b> | 23 May 2023 | --- | --- |
| Machine Hours | <b>6400</b>        | 6193        | --- | --- |
| Oil Hours     | <b>0</b>           | 6193        | --- | --- |
| Oil Changed   | <b>Not Chngd</b>   | N/A         | --- | --- |
| Sample Status | <b>NORMAL</b>      | NORMAL      | --- | --- |



### OIL CONDITION

|             |     |            |     |     |     |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | <b>256</b> | 255 | --- | --- |
|-------------|-----|------------|-----|-----|-----|



### CONTAMINATION

|           |     |            |     |     |     |
|-----------|-----|------------|-----|-----|-----|
| Water     | %   | <b>NEG</b> | NEG | --- | --- |
| Silicon   | ppm | <b>2</b>   | <1  | --- | --- |
| Sodium    | ppm | <b>5</b>   | 2   | --- | --- |
| Potassium | ppm | <b>0</b>   | 0   | --- | --- |



### WEAR METALS

|            |     |              |    |     |     |
|------------|-----|--------------|----|-----|-----|
| Iron       | ppm | <b>63</b>    | 46 | --- | --- |
| Copper     | ppm | <b>&lt;1</b> | 0  | --- | --- |
| Lead       | ppm | <b>0</b>     | 0  | --- | --- |
| Tin        | ppm | <b>&lt;1</b> | <1 | --- | --- |
| Aluminum   | ppm | <b>0</b>     | <1 | --- | --- |
| Chromium   | ppm | <b>&lt;1</b> | <1 | --- | --- |
| Molybdenum | ppm | <b>16</b>    | 16 | --- | --- |
| Nickel     | ppm | <b>0</b>     | 0  | --- | --- |
| Titanium   | ppm | <b>0</b>     | 0  | --- | --- |
| Silver     | ppm | <b>0</b>     | 0  | --- | --- |
| Manganese  | ppm | <b>2</b>     | 2  | --- | --- |
| Vanadium   | ppm | <b>0</b>     | 0  | --- | --- |



### ADDITIVES

|            |     |            |     |     |     |
|------------|-----|------------|-----|-----|-----|
| Calcium    | ppm | <b>59</b>  | 59  | --- | --- |
| Magnesium  | ppm | <b>25</b>  | 23  | --- | --- |
| Zinc       | ppm | <b>34</b>  | 32  | --- | --- |
| Phosphorus | ppm | <b>264</b> | 264 | --- | --- |
| Barium     | ppm | <b>0</b>   | 0   | --- | --- |
| Boron      | ppm | <b>12</b>  | 11  | --- | --- |

### Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO2990  
**Unique No:** 11004064  
**Signed:** Wes Davis  
**Report Date:** 30 Apr 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

