



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 352785 - TRANSMISSION (AUTO)



**Sample No:** VCP441091  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:**



### SAMPLE INFORMATION

|               |                    |             |     |     |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | <b>VCP441091</b>   | VCP312603   | --- | --- |
| Sample Date   | <b>19 Jan 2024</b> | 28 Dec 2021 | --- | --- |
| Machine Hours | <b>4101</b>        | 1133        | --- | --- |
| Oil Hours     | <b>0</b>           | 0           | --- | --- |
| Oil Changed   | <b>Changed</b>     | Changed     | --- | --- |
| Sample Status | <b>NORMAL</b>      | NORMAL      | --- | --- |

**ALTA EQUIPMENT COMPANY**  
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### OIL CONDITION

|             |     |             |      |     |     |
|-------------|-----|-------------|------|-----|-----|
| Visc @ 40°C | cSt | <b>29.1</b> | 28.6 | --- | --- |
|-------------|-----|-------------|------|-----|-----|



### CONTAMINATION

|           |     |              |     |     |     |
|-----------|-----|--------------|-----|-----|-----|
| Water     | %   | <b>0.066</b> | NEG | --- | --- |
| Silicon   | ppm | <b>4</b>     | 17  | --- | --- |
| Sodium    | ppm | <b>2</b>     | 4   | --- | --- |
| Potassium | ppm | <b>&lt;1</b> | 3   | --- | --- |

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.



### WEAR METALS

|            |     |              |    |     |     |
|------------|-----|--------------|----|-----|-----|
| Iron       | ppm | <b>10</b>    | 30 | --- | --- |
| Copper     | ppm | <b>10</b>    | 35 | --- | --- |
| Lead       | ppm | <b>0</b>     | <1 | --- | --- |
| Tin        | ppm | <b>2</b>     | 5  | --- | --- |
| Aluminum   | ppm | <b>5</b>     | 19 | --- | --- |
| Chromium   | ppm | <b>0</b>     | <1 | --- | --- |
| Molybdenum | ppm | <b>0</b>     | <1 | --- | --- |
| Nickel     | ppm | <b>2</b>     | 6  | --- | --- |
| Titanium   | ppm | <b>0</b>     | 0  | --- | --- |
| Silver     | ppm | <b>0</b>     | 0  | --- | --- |
| Manganese  | ppm | <b>&lt;1</b> | 4  | --- | --- |
| Vanadium   | ppm | <b>0</b>     | 0  | --- | --- |



### ADDITIVES

|            |     |            |     |     |     |
|------------|-----|------------|-----|-----|-----|
| Calcium    | ppm | <b>76</b>  | 65  | --- | --- |
| Magnesium  | ppm | <b>0</b>   | 2   | --- | --- |
| Zinc       | ppm | <b>13</b>  | 0   | --- | --- |
| Phosphorus | ppm | <b>180</b> | 173 | --- | --- |
| Barium     | ppm | <b>0</b>   | 0   | --- | --- |
| Boron      | ppm | <b>82</b>  | 77  | --- | --- |

**Depot:** VOLVO0090  
**Unique No:** 10847478  
**Signed:** Don Baldrige  
**Report Date:** 28 Jan 2024

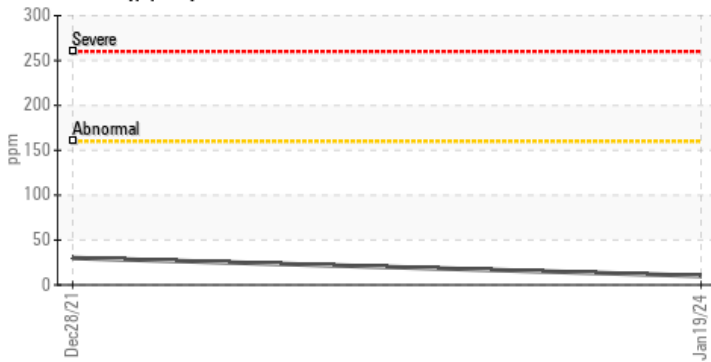


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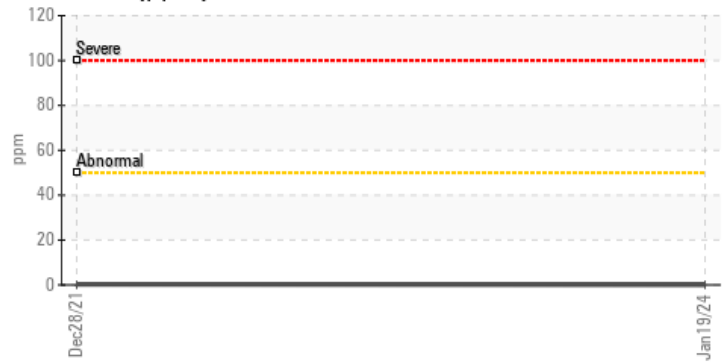


## GRAPHS

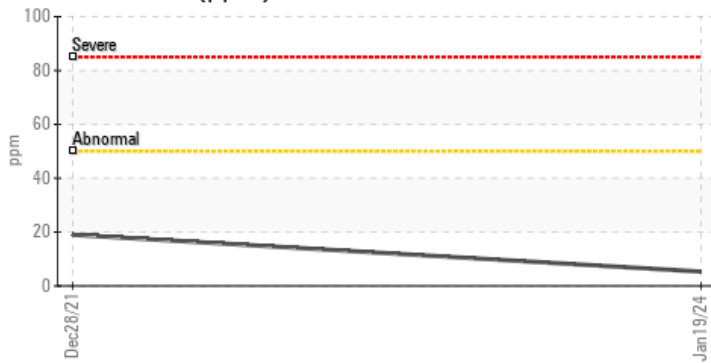
### Iron (ppm)



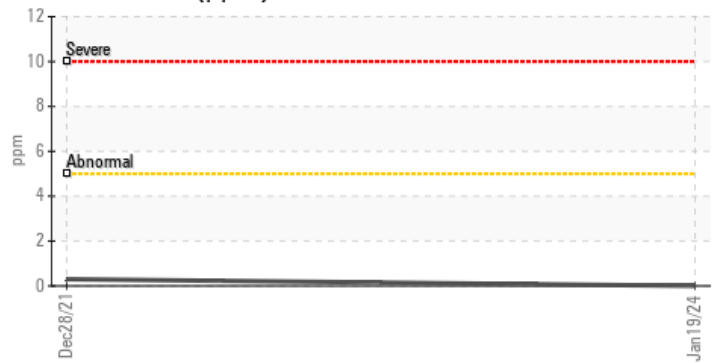
### Lead (ppm)



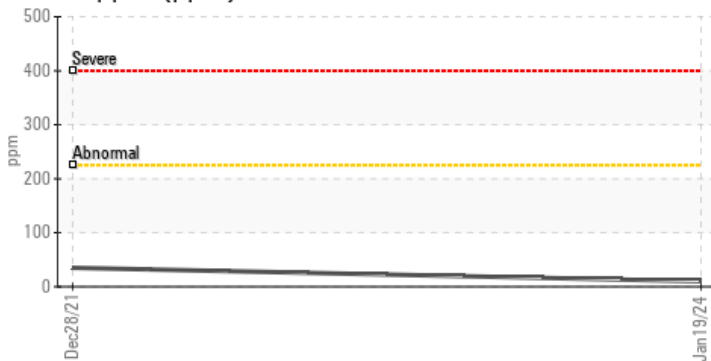
### Aluminum (ppm)



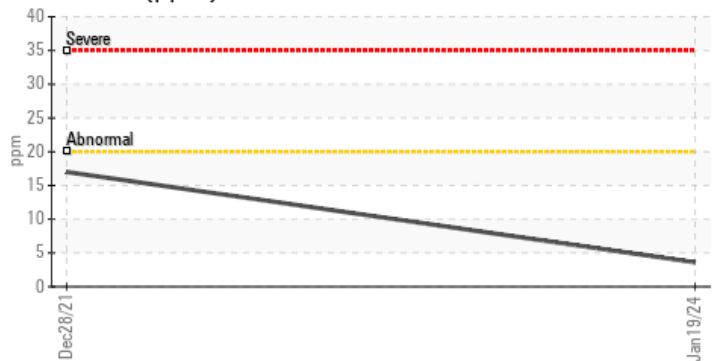
### Chromium (ppm)



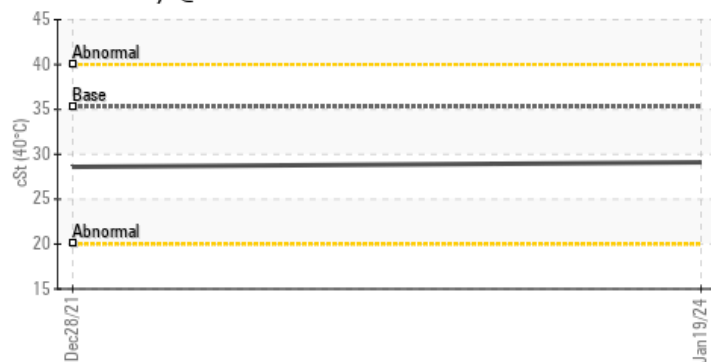
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

