



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 342010 - TRANSMISSION (AUTO)



**Sample No:** VCP447495

**Oil Type:** MOBIL ATF

**Job No:**



### SAMPLE INFORMATION

|               |                    |             |             |             |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | <b>VCP447495</b>   | VCP413267   | VCP362688   | VCP312958   |
| Sample Date   | <b>07 May 2024</b> | 06 Feb 2024 | 24 Oct 2023 | 12 Sep 2023 |
| Machine Hours | <b>9640</b>        | 9222        | 8705        | 8374        |
| Oil Hours     | <b>418</b>         | 517         | 331         | 631         |
| Oil Changed   | <b>Changed</b>     | Changed     | Changed     | Changed     |
| Sample Status | <b>NORMAL</b>      | NORMAL      | NORMAL      | NORMAL      |

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### OIL CONDITION

|             |     |             |      |      |      |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | <b>29.2</b> | 29.1 | 29.3 | 28.2 |
|-------------|-----|-------------|------|------|------|



### CONTAMINATION

| Water     | %   | NEG          | NEG | NEG | NEG |
|-----------|-----|--------------|-----|-----|-----|
| Silicon   | ppm | <b>2</b>     | 1   | 2   | 3   |
| Sodium    | ppm | <b>2</b>     | 2   | 0   | <1  |
| Potassium | ppm | <b>&lt;1</b> | 0   | 2   | <1  |

### 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>6</b>     | 0  | 5  | 7  |
| Copper     | ppm | <b>2</b>     | 2  | 3  | 4  |
| Lead       | ppm | <b>0</b>     | <1 | 0  | 0  |
| Tin        | ppm | <b>0</b>     | 0  | 0  | <1 |
| Aluminum   | ppm | <b>2</b>     | 3  | <1 | 2  |
| Chromium   | ppm | <b>0</b>     | 0  | <1 | 0  |
| Molybdenum | ppm | <b>0</b>     | 0  | 0  | <1 |
| Nickel     | ppm | <b>0</b>     | 0  | 0  | <1 |
| Titanium   | ppm | <b>0</b>     | 0  | 0  | 0  |
| Silver     | ppm | <b>&lt;1</b> | 0  | 0  | 0  |
| Manganese  | ppm | <b>0</b>     | <1 | 0  | 0  |
| Vanadium   | ppm | <b>&lt;1</b> | <1 | 0  | 0  |



### ADDITIVES

|            |     |              |     |     |     |
|------------|-----|--------------|-----|-----|-----|
| Calcium    | ppm | <b>80</b>    | 82  | 98  | 116 |
| Magnesium  | ppm | <b>&lt;1</b> | 0   | 2   | 4   |
| Zinc       | ppm | <b>7</b>     | 0   | 4   | 13  |
| Phosphorus | ppm | <b>228</b>   | 224 | 238 | 245 |
| Barium     | ppm | <b>0</b>     | 0   | 0   | 0   |
| Boron      | ppm | <b>117</b>   | 141 | 118 | 115 |

**Depot:** SCHGRE  
**Unique No:** 11033134  
**Signed:** Sean Felton  
**Report Date:** 20 May 2024

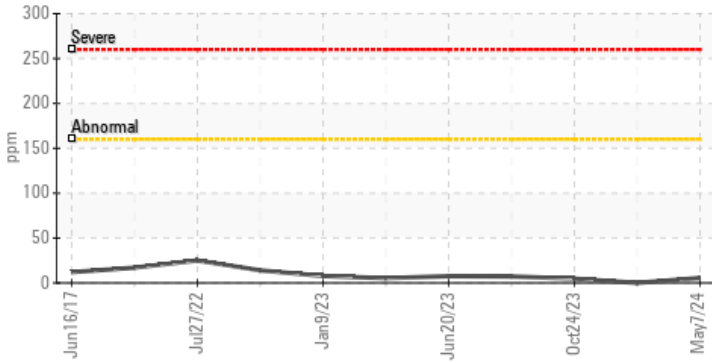


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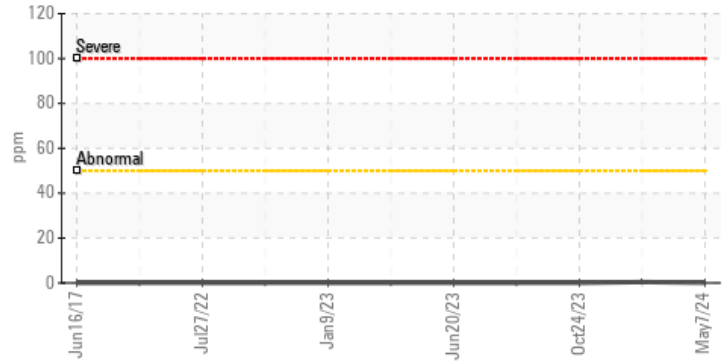


## VOLVO GRAPHS

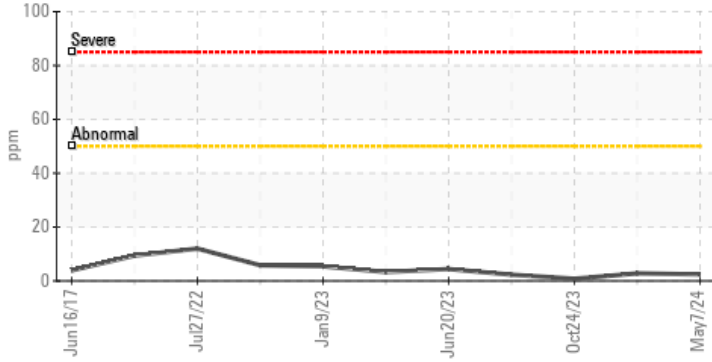
### Iron (ppm)



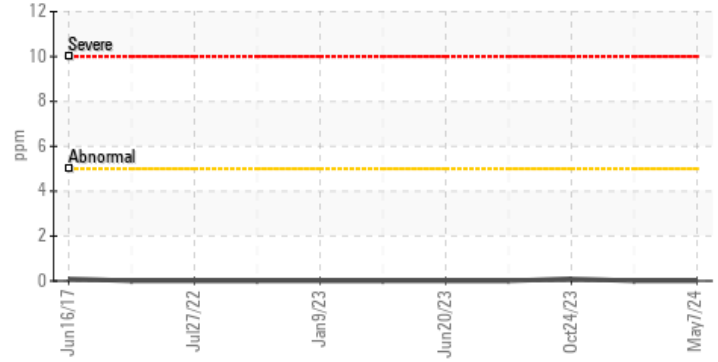
### Lead (ppm)



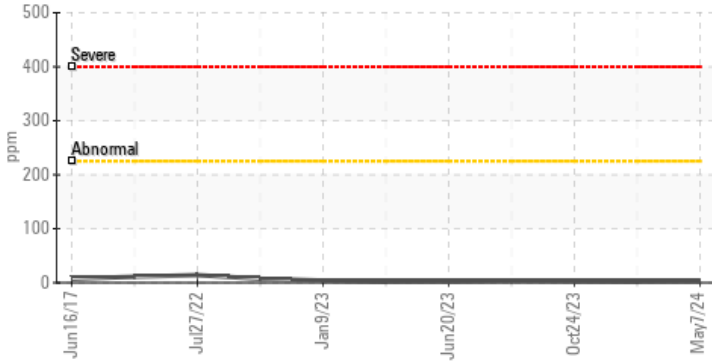
### Aluminum (ppm)



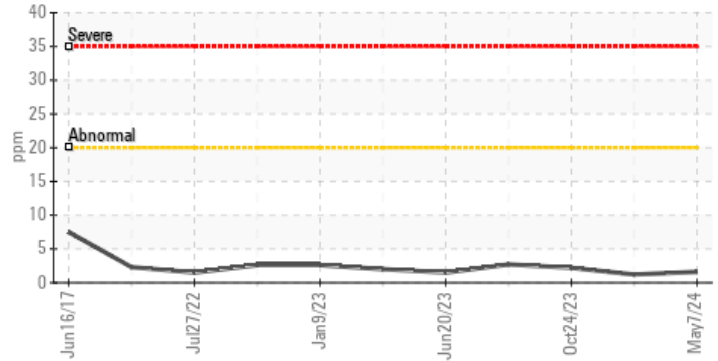
### Chromium (ppm)



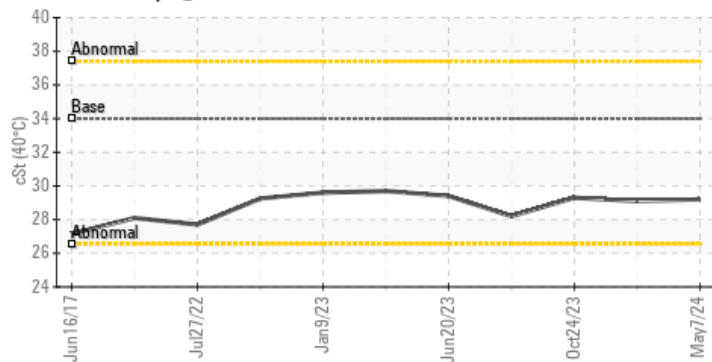
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

