



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 752009 - TRANSMISSION (AUTO)



**Sample No:** VCP453574

**Oil Type:** MOBIL ATF

**Job No:**



### SAMPLE INFORMATION

|               |                    |             |             |             |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | <b>VCP453574</b>   | VCP393982   | VCP445748   | VCP312962   |
| Sample Date   | <b>10 Jun 2024</b> | 12 Mar 2024 | 29 Nov 2023 | 12 Sep 2023 |
| Machine Hours | <b>2081</b>        | 1479        | 987         | 482         |
| Oil Hours     | <b>602</b>         | 492         | 505         | 482         |
| Oil Changed   | <b>Changed</b>     | Changed     | Changed     | Changed     |
| Sample Status | <b>ABNORMAL</b>    | NORMAL      | NORMAL      | NORMAL      |

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### OIL CONDITION

|             |     |             |      |      |      |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | <b>29.3</b> | 29.9 | 28.8 | 28.5 |
|-------------|-----|-------------|------|------|------|



### CONTAMINATION

| Water     | %   | NEG          | NEG | NEG | NEG |
|-----------|-----|--------------|-----|-----|-----|
| Silicon   | ppm | <b>4</b>     | 7   | 8   | 14  |
| Sodium    | ppm | <b>4</b>     | 2   | 4   | 2   |
| Potassium | ppm | <b>&lt;1</b> | 2   | <1  | 3   |

### Diagnosis

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the fluid. The condition of the fluid is acceptable for the time in service.



### WEAR METALS

|            |     |              |    |    |    |
|------------|-----|--------------|----|----|----|
| Iron       | ppm | <b>12</b>    | 13 | 10 | 19 |
| Copper     | ppm | <b>15</b>    | 16 | 13 | 17 |
| Lead       | ppm | <b>0</b>     | <1 | 0  | 0  |
| Tin        | ppm | <b>&lt;1</b> | 3  | 2  | 2  |
| Aluminum   | ppm | <b>9</b>     | 10 | 8  | 9  |
| Chromium   | ppm | <b>0</b>     | <1 | <1 | 0  |
| Molybdenum | ppm | <b>3</b>     | 4  | 0  | <1 |
| Nickel     | ppm | <b>&lt;1</b> | 3  | 2  | 2  |
| Titanium   | ppm | <b>0</b>     | <1 | 0  | 0  |
| Silver     | ppm | <b>0</b>     | 0  | 0  | 0  |
| Manganese  | ppm | <b>&lt;1</b> | 1  | 2  | 2  |
| Vanadium   | ppm | <b>0</b>     | <1 | 0  | 0  |



### ADDITIVES

|            |     |            |     |     |     |
|------------|-----|------------|-----|-----|-----|
| Calcium    | ppm | <b>206</b> | 188 | 79  | 77  |
| Magnesium  | ppm | <b>18</b>  | 19  | 2   | <1  |
| Zinc       | ppm | <b>51</b>  | 47  | 0   | 6   |
| Phosphorus | ppm | <b>256</b> | 219 | 214 | 195 |
| Barium     | ppm | <b>0</b>   | 0   | 0   | 0   |
| Boron      | ppm | <b>99</b>  | 95  | 109 | 89  |

**Depot:** SCHGRE  
**Unique No:** 11127115  
**Signed:** Sean Felton  
**Report Date:** 18 Jul 2024

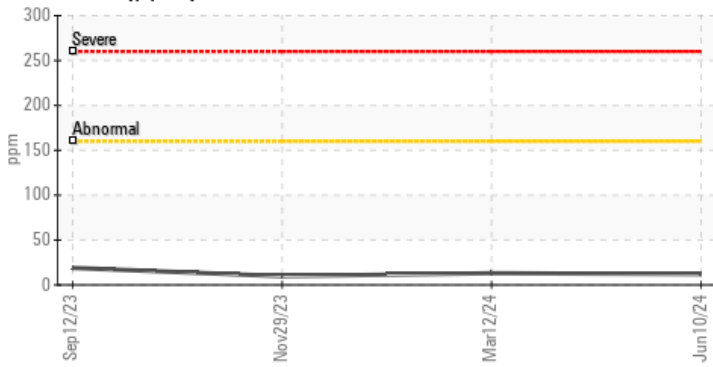


# CONSTRUCTION EQUIPMENT

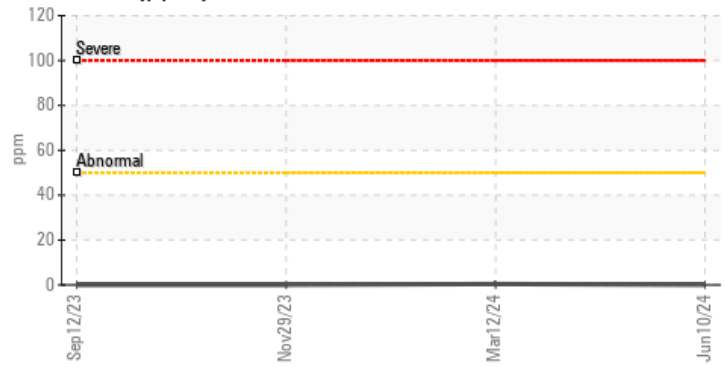


## GRAPHS

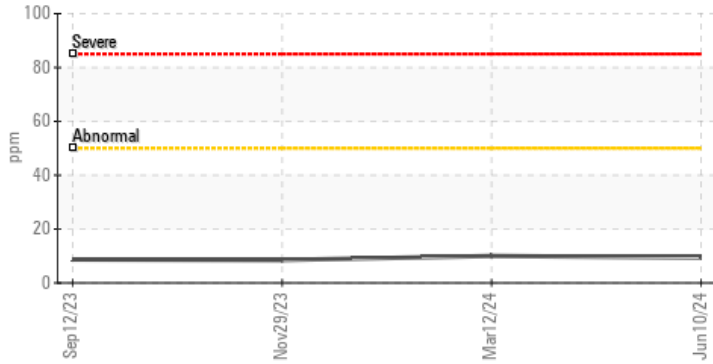
### Iron (ppm)



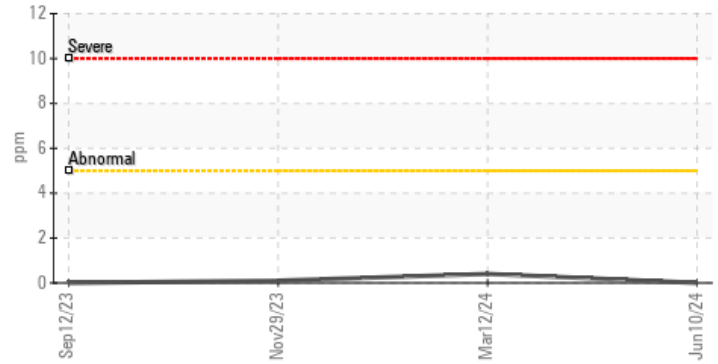
### Lead (ppm)



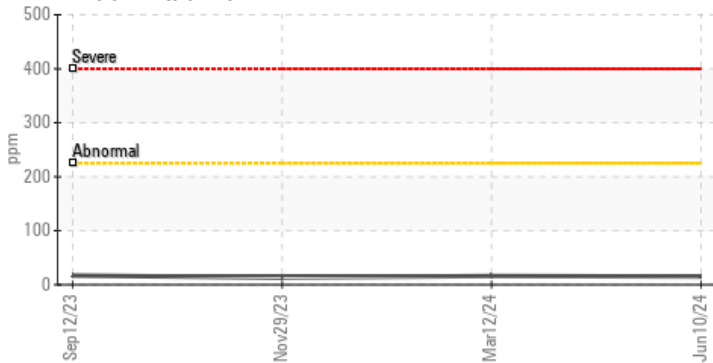
### Aluminum (ppm)



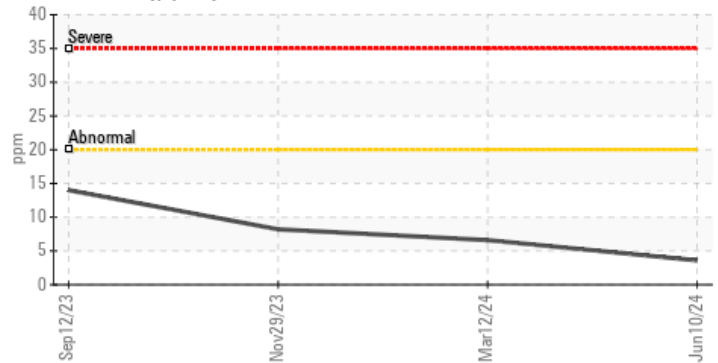
### Chromium (ppm)



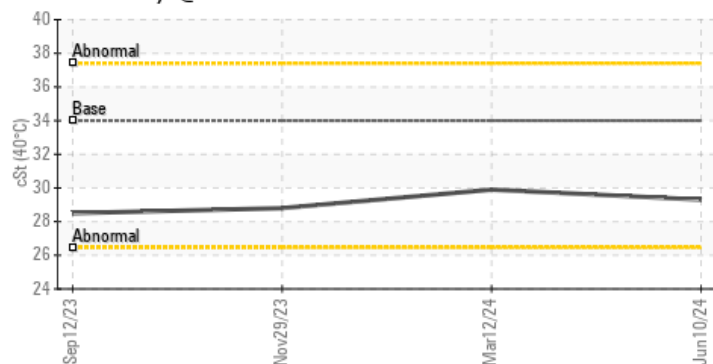
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

