



# CONSTRUCTION EQUIPMENT

12622 METAL TECH VOLVO L220H 2718 - TRANSMISSION (AUTO)



**Sample No:** VCP454446  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:** 12622 METAL TECH



## SAMPLE INFORMATION

|               |                    |             |     |     |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | <b>VCP454446</b>   | VCP443391   | --- | --- |
| Sample Date   | <b>06 May 2024</b> | 27 Feb 2024 | --- | --- |
| Machine Hours | <b>17016</b>       | 16260       | --- | --- |
| Oil Hours     | <b>0</b>           | 2000        | --- | --- |
| Oil Changed   | <b>Not Chngd</b>   | Changed     | --- | --- |
| Sample Status | <b>NORMAL</b>      | NORMAL      | --- | --- |

**HOFFMAN EQUIPMENT - LIONVILLE**  
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## OIL CONDITION

|             |     |             |      |     |     |
|-------------|-----|-------------|------|-----|-----|
| Visc @ 40°C | cSt | <b>27.6</b> | 27.8 | --- | --- |
|-------------|-----|-------------|------|-----|-----|



## CONTAMINATION

|           |     |            |     |     |     |
|-----------|-----|------------|-----|-----|-----|
| Water     | %   | <b>NEG</b> | NEG | --- | --- |
| Silicon   | ppm | <b>2</b>   | 3   | --- | --- |
| Sodium    | ppm | <b>4</b>   | 8   | --- | --- |
| Potassium | ppm | <b>0</b>   | 2   | --- | --- |

## Diagnosis

Resample at the next service interval to monitor. 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.



## WEAR METALS

|            |     |              |    |     |     |
|------------|-----|--------------|----|-----|-----|
| Iron       | ppm | <b>9</b>     | 21 | --- | --- |
| Copper     | ppm | <b>2</b>     | 5  | --- | --- |
| Lead       | ppm | <b>0</b>     | 0  | --- | --- |
| Tin        | ppm | <b>0</b>     | 0  | --- | --- |
| Aluminum   | ppm | <b>0</b>     | <1 | --- | --- |
| Chromium   | ppm | <b>0</b>     | 0  | --- | --- |
| Molybdenum | ppm | <b>0</b>     | 0  | --- | --- |
| Nickel     | ppm | <b>0</b>     | <1 | --- | --- |
| Titanium   | ppm | <b>0</b>     | 0  | --- | --- |
| Silver     | ppm | <b>0</b>     | 0  | --- | --- |
| Manganese  | ppm | <b>&lt;1</b> | <1 | --- | --- |
| Vanadium   | ppm | <b>0</b>     | 0  | --- | --- |



## ADDITIVES

|            |     |            |     |     |     |
|------------|-----|------------|-----|-----|-----|
| Calcium    | ppm | <b>73</b>  | 99  | --- | --- |
| Magnesium  | ppm | <b>0</b>   | 4   | --- | --- |
| Zinc       | ppm | <b>0</b>   | 11  | --- | --- |
| Phosphorus | ppm | <b>205</b> | 183 | --- | --- |
| Barium     | ppm | <b>0</b>   | 0   | --- | --- |
| Boron      | ppm | <b>110</b> | 77  | --- | --- |

**Depot:** VOLVO8879  
**Unique No:** 11034573  
**Signed:** Don Baldrige  
**Report Date:** 21 May 2024



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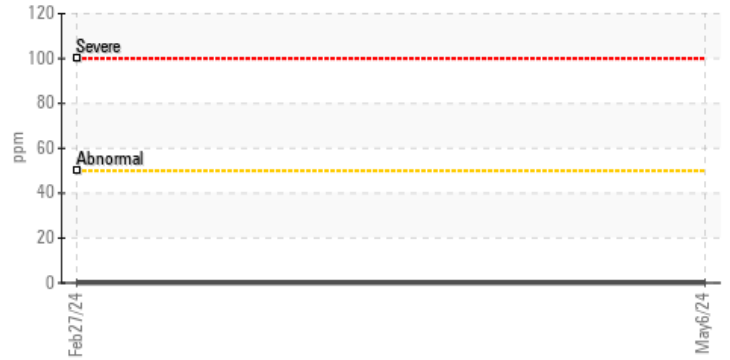


## GRAPHS

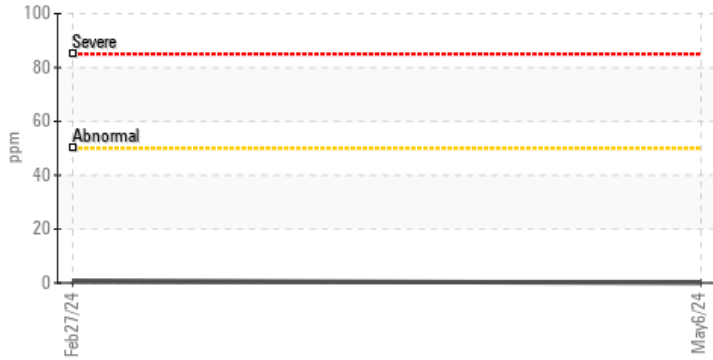
### Iron (ppm)



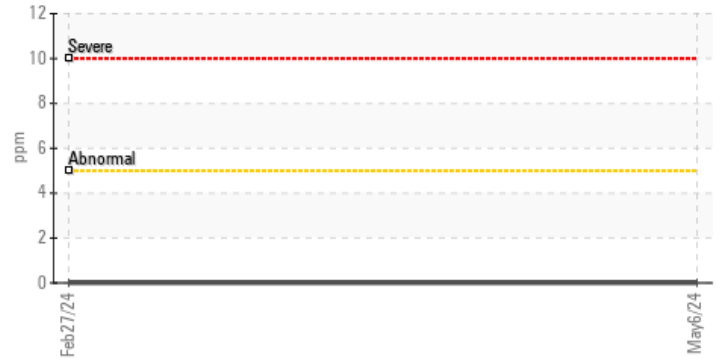
### Lead (ppm)



### Aluminum (ppm)



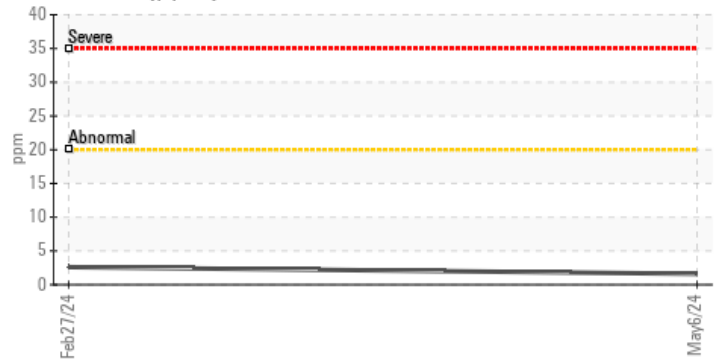
### Chromium (ppm)



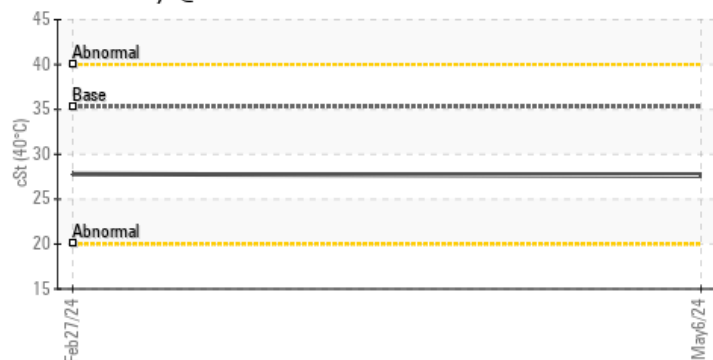
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

