



# CONSTRUCTION EQUIPMENT

## VOLVO L220H 3093 - TRANSMISSION (AUTO)



**Sample No:** VCP447654  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:**



### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP447654   | --- | --- | --- |
| Sample Date   | 26 Jun 2024 | --- | --- | --- |
| Machine Hours | 23315       | --- | --- | --- |
| Oil Hours     | 2763        | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | NORMAL      | --- | --- | --- |

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### OIL CONDITION

|             |     |        |     |     |     |
|-------------|-----|--------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 27.8 | --- | --- | --- |
|-------------|-----|--------|-----|-----|-----|



### CONTAMINATION

|           |     |     |     |     |     |
|-----------|-----|-----|-----|-----|-----|
| Water     | %   | NEG | --- | --- | --- |
| Silicon   | ppm | █ 3 | --- | --- | --- |
| Sodium    | ppm | █ 4 | --- | --- | --- |
| Potassium | ppm | █ 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 | █ 49 | --- | --- | --- |
| Copper     | ppm | █ 3  | --- | --- | --- |
| Lead       | ppm | █ 0  | --- | --- | --- |
| Tin        | ppm | █ 0  | --- | --- | --- |
| Aluminum   | ppm | █ <1 | --- | --- | --- |
| Chromium   | ppm | █ 0  | --- | --- | --- |
| Molybdenum | ppm | █ <1 | --- | --- | --- |
| Nickel     | ppm | █ 0  | --- | --- | --- |
| Titanium   | ppm | 0    | --- | --- | --- |
| Silver     | ppm | █ 0  | --- | --- | --- |
| Manganese  | ppm | █ <1 | --- | --- | --- |
| Vanadium   | ppm | 0    | --- | --- | --- |



### ADDITIVES

|            |     |       |     |     |     |
|------------|-----|-------|-----|-----|-----|
| Calcium    | ppm | █ 94  | --- | --- | --- |
| Magnesium  | ppm | █ 5   | --- | --- | --- |
| Zinc       | ppm | █ 13  | --- | --- | --- |
| Phosphorus | ppm | █ 220 | --- | --- | --- |
| Barium     | ppm | █ <1  | --- | --- | --- |
| Boron      | ppm | █ 85  | --- | --- | --- |

**Depot:** SCHGRE  
**Unique No:** 11111496  
**Signed:** Don Baldrige  
**Report Date:** 07 Jul 2024

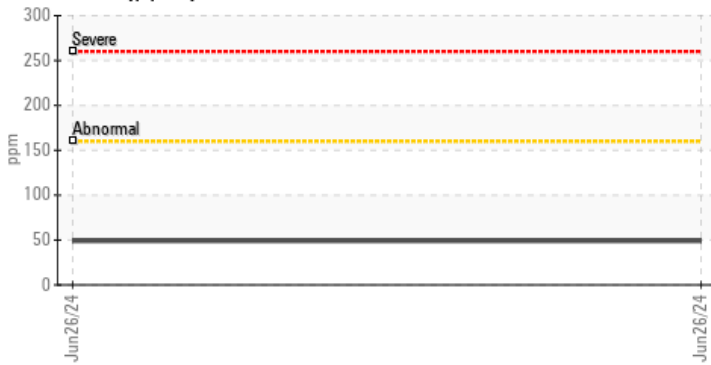


# CONSTRUCTION EQUIPMENT

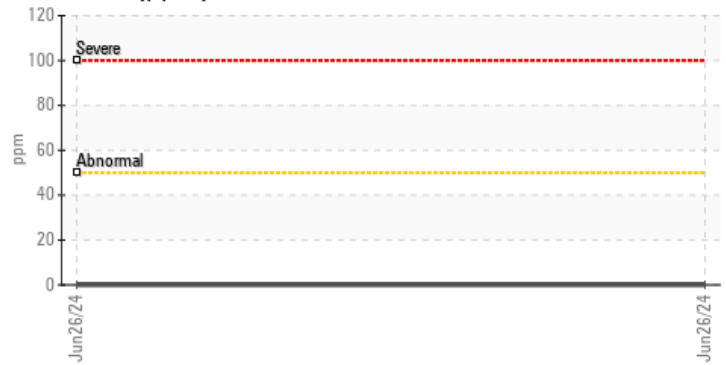


## GRAPHS

### Iron (ppm)



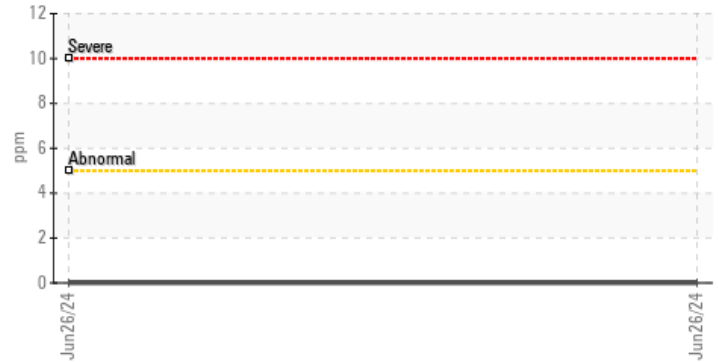
### Lead (ppm)



### Aluminum (ppm)



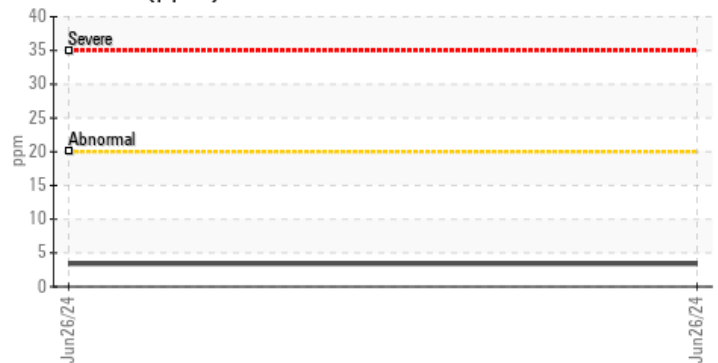
### Chromium (ppm)



### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

