



# CONSTRUCTION EQUIPMENT

## SW-23434-2 J&J EXC VOLVO EC220E 314436 - REAR LEFT FINAL DRIVE



**Sample No:** VCP413206  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** SW-23434-2 J&J EXC



### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP413206   | --- | --- | --- |
| Sample Date   | 05 Sep 2023 | --- | --- | --- |
| Machine Hours | 2201        | --- | --- | --- |
| Oil Hours     | 2201        | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | NORMAL      | --- | --- | --- |

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### OIL CONDITION

|             |     |       |     |     |     |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 167 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



### CONTAMINATION

|           |     |       |     |     |     |
|-----------|-----|-------|-----|-----|-----|
| Silicon   | ppm | █ 218 | --- | --- | --- |
| Sodium    | ppm | █ 7   | --- | --- | --- |
| Potassium | ppm | █ 15  | --- | --- | --- |

### 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 | █ 968 | --- | --- | --- |
| Copper     | ppm | █ 2   | --- | --- | --- |
| Lead       | ppm | █ <1  | --- | --- | --- |
| Tin        | ppm | █ <1  | --- | --- | --- |
| Aluminum   | ppm | █ 36  | --- | --- | --- |
| Chromium   | ppm | █ 11  | --- | --- | --- |
| Molybdenum | ppm | █ 1   | --- | --- | --- |
| Nickel     | ppm | █ 1   | --- | --- | --- |
| Titanium   | ppm | █ 2   | --- | --- | --- |
| Silver     | ppm | █ 0   | --- | --- | --- |
| Manganese  | ppm | █ 13  | --- | --- | --- |
| Vanadium   | ppm | █ <1  | --- | --- | --- |



### ADDITIVES

|            |     |       |     |     |     |
|------------|-----|-------|-----|-----|-----|
| Calcium    | ppm | █ 101 | --- | --- | --- |
| Magnesium  | ppm | █ 16  | --- | --- | --- |
| Zinc       | ppm | █ 13  | --- | --- | --- |
| Phosphorus | ppm | █ 170 | --- | --- | --- |
| Barium     | ppm | █ 0   | --- | --- | --- |
| Boron      | ppm | █ 0   | --- | --- | --- |

**Depot:** VOLVO8770  
**Unique No:** 10645551  
**Signed:** Jonathan Hester  
**Report Date:** 15 Sep 2023

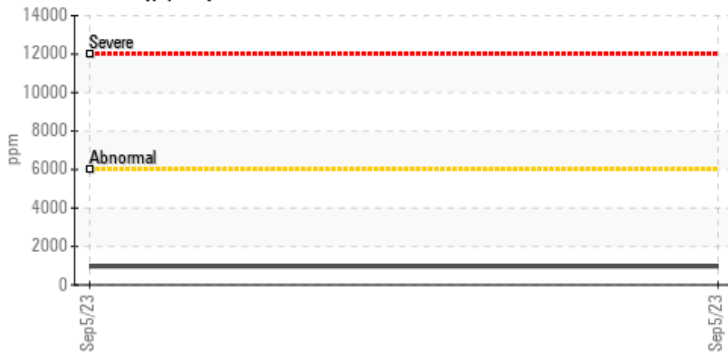


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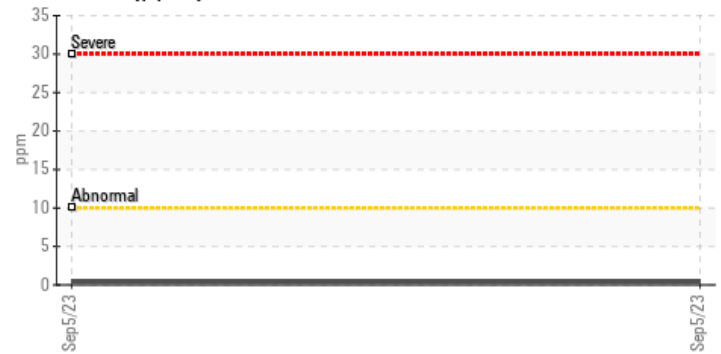


## GRAPHS

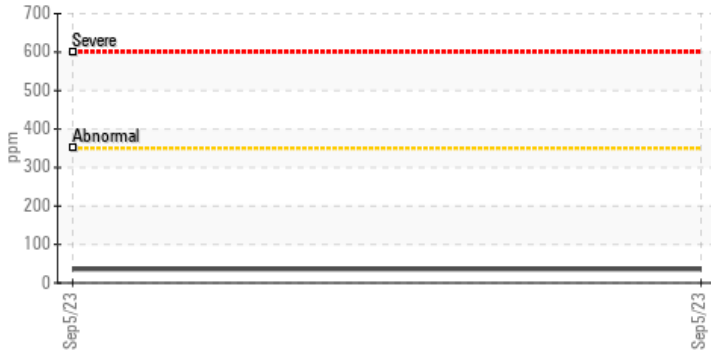
### Iron (ppm)



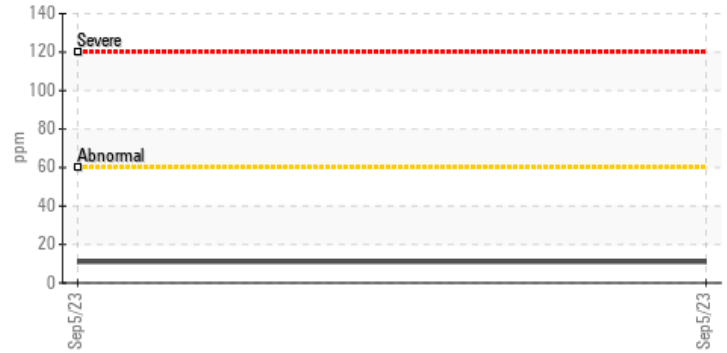
### Lead (ppm)



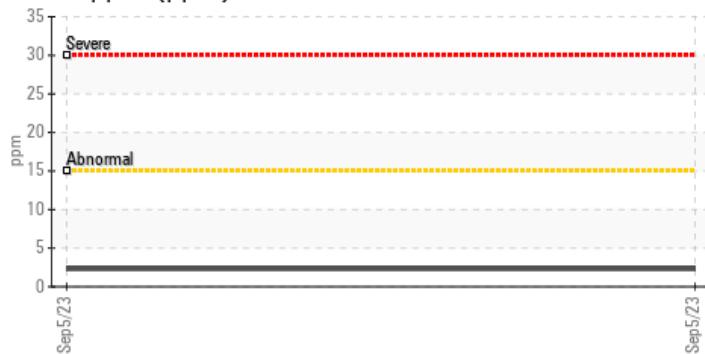
### Aluminum (ppm)



### Chromium (ppm)



### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

