



CONSTRUCTION EQUIPMENT

703448 RITCHIE B VOLVO L90H 627943 - REAR AXLE



Sample No: VCP449797
Oil Type: VOLVO WB 101
Job No: 703448 RITCHIE B



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP449797 | --- | --- | --- |
| Sample Date | 29 Apr 2024 | --- | --- | --- |
| Machine Hours | 573 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | N/A | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | █41.1 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|-----|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Silicon | ppm | █21 | --- | --- | --- |
| Sodium | ppm | █<1 | --- | --- | --- |
| Potassium | ppm | █0 | --- | --- | --- |

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 | █29 | --- | --- | --- |
| Copper | ppm | █0 | --- | --- | --- |
| Lead | ppm | █0 | --- | --- | --- |
| Tin | ppm | █<1 | --- | --- | --- |
| Aluminum | ppm | █<1 | --- | --- | --- |
| Chromium | ppm | █2 | --- | --- | --- |
| Molybdenum | ppm | █6 | --- | --- | --- |
| Nickel | ppm | █0 | --- | --- | --- |
| Titanium | ppm | 0 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | █7 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Calcium | ppm | █4085 | --- | --- | --- |
| Magnesium | ppm | █10 | --- | --- | --- |
| Zinc | ppm | █1597 | --- | --- | --- |
| Phosphorus | ppm | █1338 | --- | --- | --- |
| Barium | ppm | █0 | --- | --- | --- |
| Boron | ppm | █139 | --- | --- | --- |

Depot: VOLVO0096
Unique No: 11008037
Signed: Wes Davis
Report Date: 03 May 2024



CONSTRUCTION EQUIPMENT

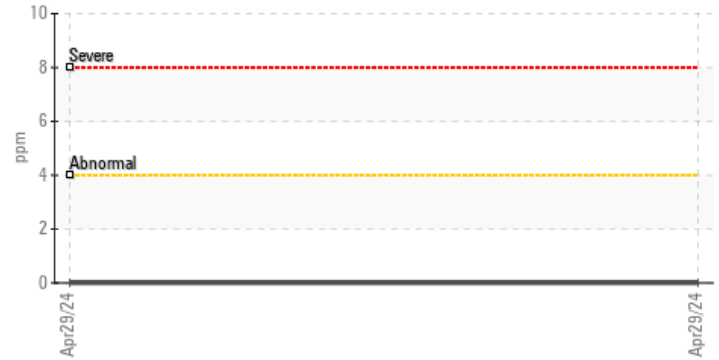


GRAPHS

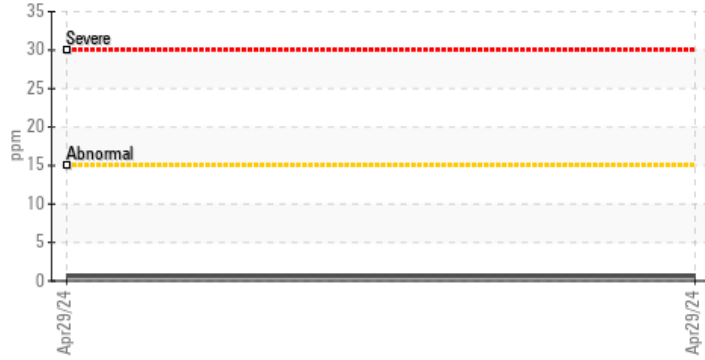
Iron (ppm)



Lead (ppm)



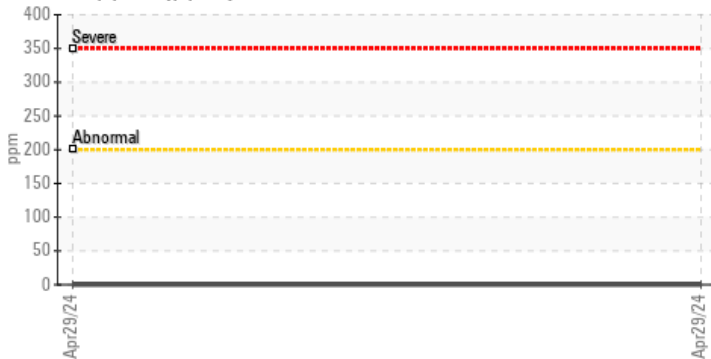
Aluminum (ppm)



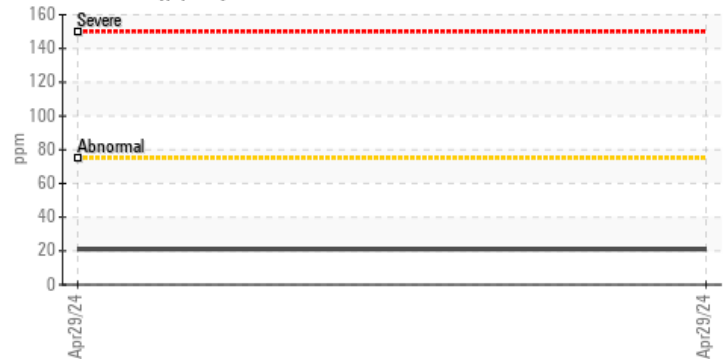
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

