



CONSTRUCTION EQUIPMENT

225209 CRC WM VOLVO L120H 632093 - FRONT AXLE



Sample No: VCP424193
Oil Type: VOLVO WB 102
Job No: 225209 CRC WM



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP424193 | VCP403243 | VCP363788 | VCP351806 |
| Sample Date | 07 Sep 2023 | 01 Aug 2023 | 11 Oct 2022 | 18 Apr 2022 |
| Machine Hours | 18922 | 18768 | 16539 | 15363 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Not Changd | Changed | N/A | Not Changd |
| Sample Status | NORMAL | NORMAL | NORMAL | ABNORMAL |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | 42.6 | 40.0 | 39.8 | 40.1 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

| | | | | | |
|-----------|-----|----------|----|----|----|
| Silicon | ppm | 9 | 17 | 13 | 21 |
| Sodium | ppm | 2 | 8 | 5 | 8 |
| Potassium | ppm | 0 | 2 | 2 | 2 |



WEAR METALS

| | | | | | |
|------------|-----|--------------|-----|-----|-------|
| Iron | ppm | 46 | 428 | 238 | ▲ 562 |
| Copper | ppm | <1 | 1 | <1 | 2 |
| Lead | ppm | <1 | 0 | 0 | <1 |
| Tin | ppm | <1 | 0 | 0 | 0 |
| Aluminum | ppm | 2 | 2 | 2 | 2 |
| Chromium | ppm | <1 | 4 | 2 | 7 |
| Molybdenum | ppm | <1 | 4 | 4 | 11 |
| Nickel | ppm | <1 | 2 | 0 | 0 |
| Titanium | ppm | 0 | <1 | <1 | <1 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | 2 | 8 | 6 | 17 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|------|
| Calcium | ppm | 3860 | 4149 | 4045 | 4181 |
| Magnesium | ppm | 10 | 12 | 12 | 15 |
| Zinc | ppm | 1551 | 1642 | 1638 | 1713 |
| Phosphorus | ppm | 1281 | 1336 | 1326 | 1370 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 139 | 142 | 122 | 140 |

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.

Depot: VOLVO1271
Unique No: 10649010
Signed: Wes Davis
Report Date: 18 Sep 2023



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GRAPHS

