



CONSTRUCTION EQUIPMENT

19804 LKQ VOLVO L90H 624047 - REAR AXLE



Sample No: VCP414083
Oil Type: VOLVO WB 102
Job No: 19804 LKQ



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP414083 | VCP0005122 | VCP371669 | VCP348174 |
| Sample Date | 26 Sep 2023 | 12 Dec 2022 | 13 Jul 2022 | 08 Mar 2022 |
| Machine Hours | 11145 | 10016 | 9403 | 8692 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Not Chngd | Changed | Not Chngd | Not Chngd |
| Sample Status | NORMAL | NORMAL | ABNORMAL | NORMAL |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | 47.0 | 41.6 | 41.1 | 41.6 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

| | | | | | |
|-----------|-----|-----------|----|----|----|
| Silicon | ppm | 12 | 11 | 16 | 12 |
| Sodium | ppm | 0 | 8 | 9 | 9 |
| Potassium | ppm | 4 | 0 | 2 | 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 | 62 | 35 | 31 | 17 |
| Copper | ppm | 15 | 37 | 31 | 24 |
| Lead | ppm | <1 | 1 | <1 | 1 |
| Tin | ppm | 2 | 4 | 3 | 4 |
| Aluminum | ppm | 2 | 1 | 4 | 4 |
| Chromium | ppm | <1 | <1 | <1 | <1 |
| Molybdenum | ppm | 4 | <1 | <1 | <1 |
| Nickel | ppm | <1 | <1 | 0 | 0 |
| Titanium | ppm | <1 | <1 | <1 | <1 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | <1 | <1 | <1 | <1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|--------------|------|------|------|
| Calcium | ppm | 2943 | 3658 | 4104 | 3898 |
| Magnesium | ppm | 52 | 17 | 17 | 18 |
| Zinc | ppm | 1338 | 1454 | 1624 | 1535 |
| Phosphorus | ppm | 1104 | 1190 | 1285 | 1305 |
| Barium | ppm | <1 | 0 | 0 | 0 |
| Boron | ppm | 41 | 124 | 148 | 131 |

Depot: VOLVO8769
Unique No: 10702476
Signed: Wes Davis
Report Date: 23 Oct 2023



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VOLVO GRAPHS

