



CONSTRUCTION EQUIPMENT

302922 VOLVO L90H 624904 - FRONT AXLE



Sample No: VCP417450
Oil Type: VOLVO WB 102
Job No: 302922



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP417450 | VCP405592 | VCP399228 | VCP389616 |
| Sample Date | 06 Jul 2023 | 16 Mar 2023 | 19 Dec 2022 | 08 Oct 2022 |
| Machine Hours | 6313 | 6080 | 5520 | 5028 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Not Chngd | Changed | Not Chngd | Not Chngd |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

COVANTA LAKES
 3830 ROGERS INDUSTRIAL PARK ROAD
 OKAHUMPKA, FL
 US 32762
 Contact: SERVICE MANAGER



OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | 43.5 | 43.2 | 43.0 | 43.9 |
|-------------|-----|-------------|------|------|------|

T:
F:



CONTAMINATION

| | | | | | |
|-----------|-----|--------------|----|----|----|
| Silicon | ppm | 14 | 14 | 15 | 10 |
| Sodium | ppm | <1 | 2 | 3 | 2 |
| Potassium | ppm | 0 | 0 | <1 | 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 | 15 | 35 | 32 | 14 |
| Copper | ppm | <1 | 2 | <1 | <1 |
| Lead | ppm | 0 | 0 | 1 | <1 |
| Tin | ppm | 0 | 0 | <1 | 0 |
| Aluminum | ppm | 2 | 1 | 2 | 1 |
| Chromium | ppm | <1 | <1 | 1 | <1 |
| Molybdenum | ppm | 1 | 1 | 2 | 1 |
| Nickel | ppm | 0 | 0 | <1 | 0 |
| Titanium | ppm | 0 | 0 | <1 | 0 |
| Silver | ppm | 0 | 0 | <1 | 0 |
| Manganese | ppm | <1 | 2 | 2 | <1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|------|
| Calcium | ppm | 4034 | 3703 | 4149 | 3711 |
| Magnesium | ppm | 19 | 20 | 27 | 16 |
| Zinc | ppm | 1672 | 1441 | 1657 | 1506 |
| Phosphorus | ppm | 1310 | 1146 | 1262 | 1220 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 129 | 120 | 145 | 129 |

Depot: COVOKA
Unique No: 10551207
Signed: Wes Davis
Report Date: 12 Jul 2023



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VOLVO GRAPHS

