



CONSTRUCTION EQUIPMENT

700575 VOLVO L110H 631298 - REAR AXLE



Sample No: VCP437298
Oil Type: VOLVO WB 102
Job No: 700575



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP437298 | VCP393722 | VCP398968 | VCP377763 |
| Sample Date | 04 Apr 2024 | 18 Jul 2023 | 16 Dec 2022 | 02 Jun 2022 |
| Machine Hours | 8536 | 8405 | 7287 | 6331 |
| Oil Hours | 2000 | 2000 | 1000 | 2000 |
| Oil Changed | Changed | Changed | Not Changd | Changed |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: PM Services
PMServices@ripaconstruction.com
T:
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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | 42.9 | 41.3 | 42.8 | 41.0 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

| Water | % | NEG | NEG | NEG | NEG |
|-----------|-----|-----------|-----|-----|-----|
| Silicon | ppm | 18 | 16 | 13 | 13 |
| Sodium | ppm | 1 | 4 | 2 | 9 |
| Potassium | ppm | 0 | 1 | 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 | 82 | 50 | 35 | 59 |
| Copper | ppm | 0 | <1 | 0 | <1 |
| Lead | ppm | 0 | 0 | 0 | 0 |
| Tin | ppm | 0 | 0 | 0 | <1 |
| Aluminum | ppm | 0 | 2 | 0 | 1 |
| Chromium | ppm | <1 | 1 | <1 | 1 |
| Molybdenum | ppm | 0 | 2 | 1 | 7 |
| Nickel | ppm | 0 | <1 | 0 | 0 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | 2 | 1 | <1 | 2 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|------|
| Calcium | ppm | 4173 | 3896 | 3984 | 3752 |
| Magnesium | ppm | 19 | 16 | 16 | 28 |
| Zinc | ppm | 1614 | 1561 | 1553 | 1447 |
| Phosphorus | ppm | 1295 | 1265 | 1254 | 1202 |
| Barium | ppm | 0 | 1 | 1 | 0 |
| Boron | ppm | 161 | 146 | 123 | 131 |

Depot: RIPTAM
Unique No: 11031769
Signed: Wes Davis
Report Date: 16 May 2024



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VOLVO GRAPHS

