



CONSTRUCTION EQUIPMENT

S50601798 IAA BAY PT VOLVO L90H 624600 - REAR AXLE



Sample No: VCP340932
Oil Type: VOLVO WB 102
Job No: S50601798 IAA BAY PT



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-----|
| Sample Number | VCP340932 | VCP341735 | VCP295808 | --- |
| Sample Date | 16 Feb 2024 | 09 Jan 2023 | 06 Oct 2021 | --- |
| Machine Hours | 9504 | 7523 | 5204 | --- |
| Oil Hours | 0 | 1000 | 0 | --- |
| Oil Changed | Changed | Changed | Changed | --- |
| Sample Status | NORMAL | NORMAL | NORMAL | --- |

VCES- VOLVO CONSTRUCTION EQUIPMENT

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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|-----|
| Visc @ 40°C | cSt | 52.2 | 45.6 | 39.1 | --- |
|-------------|-----|-------------|------|------|-----|



CONTAMINATION

| Water | % | NEG | NEG | NEG | --- |
|-----------|-----|-----------|-----|-----|-----|
| Silicon | ppm | 15 | 14 | 11 | --- |
| Sodium | ppm | 0 | 10 | 4 | --- |
| Potassium | ppm | 2 | 0 | <1 | --- |

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 | 36 | 38 | 57 | --- |
| Copper | ppm | 3 | 1 | 3 | --- |
| Lead | ppm | 0 | 0 | <1 | --- |
| Tin | ppm | 0 | <1 | <1 | --- |
| Aluminum | ppm | 1 | 2 | 5 | --- |
| Chromium | ppm | <1 | <1 | 2 | --- |
| Molybdenum | ppm | 15 | <1 | <1 | --- |
| Nickel | ppm | 0 | <1 | <1 | --- |
| Titanium | ppm | 0 | 0 | <1 | --- |
| Silver | ppm | 0 | 0 | 0 | --- |
| Manganese | ppm | <1 | 1 | 3 | --- |
| Vanadium | ppm | 0 | 0 | 0 | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|-----|
| Calcium | ppm | 3367 | 4042 | 4076 | --- |
| Magnesium | ppm | 176 | 15 | 13 | --- |
| Zinc | ppm | 1402 | 1473 | 1583 | --- |
| Phosphorus | ppm | 1261 | 1190 | 1260 | --- |
| Barium | ppm | 0 | 0 | 0 | --- |
| Boron | ppm | 121 | 129 | 131 | --- |

Depot: VOLVO4487
Unique No: 10896247
Signed: Wes Davis
Report Date: 23 Feb 2024



CONSTRUCTION EQUIPMENT



GRAPHS

