



CONSTRUCTION EQUIPMENT

621685 VOLVO L150H 6059 - FRONT AXLE



Sample No: VCP429921
Oil Type: VOLVO WB 102
Job No: 621685



SAMPLE INFORMATION

| Sample Number | VCP429921 | VCP412112 | VCP393625 | VCP354587 |
|---------------|-------------|-------------|-------------|-------------|
| Sample Date | 30 Oct 2023 | 01 Jun 2023 | 28 Nov 2022 | 07 Jun 2022 |
| Machine Hours | 10424 | 9381 | 8099 | 7036 |
| Oil Hours | 2000 | 1381 | 2000 | 1500 |
| Oil Changed | Changed | Not Changd | Changed | N/A |
| Sample Status | NORMAL | NORMAL | NORMAL | MARGINAL |

PARAGON DEVELOPMENT GROUP
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OIL CONDITION

| Visc @ 40°C | cSt | 40.0 | 40.8 | 48.7 | 44.0 |
|-------------|-----|------|------|------|------|
| | | | | | |



CONTAMINATION

| Water | % | NEG | NEG | NEG | NEG |
|-----------|-----|-----|-----|-----|-----|
| Silicon | ppm | 6 | 7 | 13 | 14 |
| Sodium | ppm | 2 | 0 | 8 | 13 |
| Potassium | ppm | <1 | 1 | 0 | 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 | 56 | 35 | 100 | 38 |
| Copper | ppm | 8 | 3 | 22 | 4 |
| Lead | ppm | <1 | 0 | 2 | 2 |
| Tin | ppm | <1 | 0 | 1 | 1 |
| Aluminum | ppm | <1 | 0 | 1 | 2 |
| Chromium | ppm | <1 | <1 | 2 | <1 |
| Molybdenum | ppm | <1 | <1 | 2 | 0 |
| Nickel | ppm | <1 | <1 | 1 | <1 |
| Titanium | ppm | 0 | 0 | 0 | <1 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | <1 | <1 | 2 | <1 |
| Vanadium | ppm | <1 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|------|------|------|------|
| Calcium | ppm | 2548 | 3155 | 4045 | 4077 |
| Magnesium | ppm | 6 | 5 | 20 | 10 |
| Zinc | ppm | 1306 | 1439 | 1537 | 1586 |
| Phosphorus | ppm | 1160 | 1245 | 1209 | 1253 |
| Barium | ppm | 0 | 0 | 0 | <1 |
| Boron | ppm | 11 | 12 | 135 | 156 |

Depot: PARPLA
Unique No: 10765282
Signed: Don Baldrige
Report Date: 03 Dec 2023



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VOLVO GRAPHS

