



CONSTRUCTION EQUIPMENT

VOLVO EC480EL 3 1498 1 - REAR RIGHT FINAL DRIVE



Sample No: VCP438694
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP438694 | VCP432371 | VCP433865 | VCP369461 |
| Sample Date | 15 Apr 2024 | 07 Feb 2024 | 23 Oct 2023 | 07 Aug 2023 |
| Machine Hours | 3400 | 2922 | 2416 | 1929 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Changed | Changed | Changed | Changed |
| Sample Status | NORMAL | NORMAL | NORMAL | ATTENTION |

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OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|------|
| Visc @ 40°C | cSt | 132 | 124 | 112 | 52.1 |
|-------------|-----|------------|-----|-----|------|

CONTAMINATION

| Water | % | NEG | NEG | NEG | NEG |
|-----------|-----|--------------|-----|-----|-----|
| Silicon | ppm | 14 | 16 | 13 | 21 |
| Sodium | ppm | <1 | 0 | 2 | 0 |
| Potassium | ppm | 0 | 1 | <1 | 2 |

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 | 196 | 579 | 410 | 749 |
| Copper | ppm | <1 | 2 | 2 | 1 |
| Lead | ppm | 0 | <1 | 0 | 0 |
| Tin | ppm | <1 | 0 | 0 | 0 |
| Aluminum | ppm | <1 | 1 | 2 | 4 |
| Chromium | ppm | 2 | 3 | 4 | 8 |
| Molybdenum | ppm | 2 | 3 | 1 | 3 |
| Nickel | ppm | 0 | <1 | <1 | <1 |
| Titanium | ppm | <1 | <1 | <1 | <1 |
| Silver | ppm | 0 | <1 | 0 | 0 |
| Manganese | ppm | 2 | 3 | 2 | 5 |
| Vanadium | ppm | 0 | <1 | 0 | 0 |

ADDITIVES

| | | | | | |
|------------|-----|-------------|-----|-----|-----|
| Calcium | ppm | 81 | 80 | 49 | 43 |
| Magnesium | ppm | 20 | 20 | 32 | 18 |
| Zinc | ppm | 73 | 84 | 68 | 79 |
| Phosphorus | ppm | 1018 | 941 | 902 | 814 |
| Barium | ppm | 0 | 0 | 0 | 2 |
| Boron | ppm | 69 | 57 | 49 | 42 |

Depot: SAIBIR
Unique No: 11004052
Signed: Jonathan Hester
Report Date: 01 May 2024



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VOLVO GRAPHS

