

CONSTRUCTION EQUIPMENT VOLVO EC480E 314146 - LEFT SWING DRIVE



Sample No: VCP441305

Oil Type: GEAR OIL SAE 80W90

Job No:

| VOLVO | INFORMATION | | | | |
|---------------|---------------|---------------|-------------|-------------|--------------|
| | E INFORMATION | | | | - |
| Sample Number | | VCP441305 | VCP419104 | VCP403631 | VCP371260 |
| Sample Date | | 31 Jan 2024 | 28 Aug 2023 | 03 May 2023 | 17 Jan 2023 |
| Machine Hours | | 6892 | 6421 | 5940 | 5434 |
| Oil Hours | | 0 | 0 | 0 | 0 |
| Oil Changed | | Changed | Not Changd | Changed | Not Changd |
| Sample Status | | NORMAL | NORMAL | NORMAL | NORMAL |
| | | | | | |
| OIL CON | DITION | | | | |
| Visc @ 40°C | cSt | □303 | 267 | □ 133 | □ 132 |
| VISC @ 40 C | CSt | 303 | 207 | 133 | <u> </u> |
| VOLVO | | | | | |
| CONTAI | MINATION | | | | |
| Water | % | NEG | NEG | NEG | NEG |
| Silicon | ppm | 21 | 8 | 4 | 2 |
| Sodium | ppm | ■ 0 | < 1 | - <1 | - <1 |
| Potassium | ppm | 2 | - <1 | <u> </u> | <u> </u> |
| | | _ | | | |
| VOLVO | AFTALC | | | | |
| WEAR N | JE I ALS | | | | |
| Iron | ppm | 762 | ■216 | ■ 237 | 7 6 |
| Copper | ppm | ■21 | 3 | 6 | 2 |
| Lead | ppm | ■<1 | 0 | 0 | 0 |
| Tin | ppm | ■ 0 | 0 | 0 | 0 |
| Aluminum | ppm | ■ 5 | 2 | 0 | < 1 |
| Chromium | ppm | ■8 | 2 | 2 | |
| Molybdenum | ppm | 6 | 1 | 3 | 3 |
| Nickel | ppm | 1 | 0 | 0 | 0 |
| Titanium | ppm | <1 | 0 | <1 | <1 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | 7 | 2 | 2 | <u> </u> |
| Vanadium | ppm | 0 | 0 | 0 | 0 |
| | | | | | |
| ADDITIV | ZES | | | | |
| Calcium | ppm | 78 | 71 | 3 1 | 2 7 |
| Magnesium | ppm | 22 | 21 | 25 | 23 |
| Zinc | ppm | 114 | □ 66 | ■ 101 | 1 78 |
| Phosphorus | ppm | 1078 | 1009 | 947 | 871 |
| Barium | ppm | 0 | 0 | 0 | <1 <1 |
| Boron | ppm | ■143 | 139 | 1 22 | 3 9 |
| | | | | | |



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Diagnosis

F: (205)943-2269

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Confirm oil type. The condition of the oil is acceptable for the time in service.

Depot:SAIBIRUnique No:10872530Signed:Don BaldridgeReport Date:12 Feb 2024

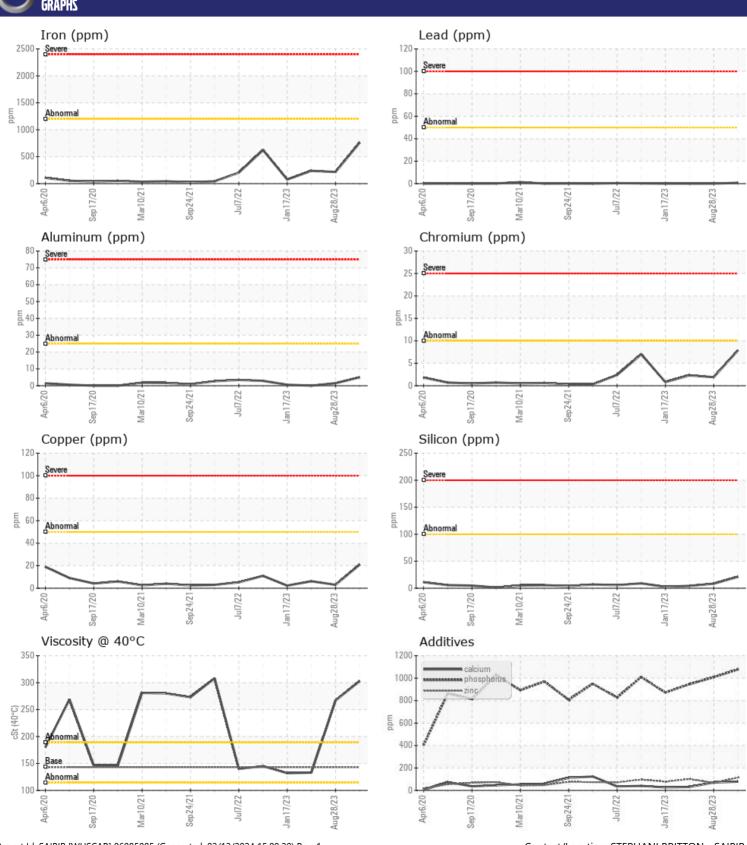


CONSTRUCTION EQUIPMENT





GRAPHS



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