

CONSTRUCTION EQUIPMENT VOLVO EC550EL 310550 - HYDRAULIC SYSTEM



Sample No: VCP414723

| Oil Type: | VOLVO SUPER HYDRAULIC OIL 46 |
|-----------|------------------------------|
|-----------|------------------------------|

Job No:

| VOLVO | | | | |
|-------------------|------------|-------------|------|--|
| SAMPLE II | NFORMATION | | | |
| Sample Number | - | VCP414723 | | |
| Sample Date | | 07 Sep 2023 | | |
| Machine Hours | | 6 | | |
| Oil Hours | | 6 | | |
| Oil Changed | | Not Changd | | |
| Sample Status | | NORMAL | | |
| | | | | |
| OIL CONDI | TION | | | |
| Visc @ 40°C | cSt | 46.0 | | |
| Acid Number (AN) | mg KOH/g | 0.46 | | |
| | | | | |
| CONTAMIN | | | | |
| | ATION | | | |
| Particles >4µm | | 6909 | | |
| Particles >6µm | | 1700 | | |
| Particles >14µm | | 68 | | |
| ISO 4406:1999 (c) | | 20/18/13 | | |
| Silicon | ppm | 1 | | |
| Sodium | ppm | | | |
| Potassium | ppm | 0 | | |
| VOLVO | | | | |
| 🤍 WEAR ME | TALS | | | |
| Iron | ppm | 0 | | |
| Copper | ppm | 1 | | |
| Lead | ppm | 0 | | |
| Tin | ppm | 0 | | |
| Aluminum | ppm | 0 | | |
| Chromium | ppm | 0 | | |
| Molybdenum | ppm | 0 | | |
| Nickel | ppm | 0 | | |
| Titanium | ppm | <1 | | |
| Silver | ppm | 0 | | |
| Manganese | ppm | 0 | | |
| Vanadium | ppm | 0 | | |
| | | | | |
| VOLVO | S | | | |

| | VE2 | | | |
|------------|-----|------------|------|--|
| Calcium | ppm | 110 | | |
| Magnesium | ppm | 0 | | |
| Zinc | ppm | 557 | | |
| Phosphorus | ppm | 449 | | |
| Barium | ppm | 0 | | |
| Boron | ppm | 0 | | |



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC

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Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: VOLV00093 Unique No: 10644935 Signed: Wes Davis Report Date: 14 Sep 2023

Report Id: VOLVO0093 [WUSCAR] 05948976 (Generated: 09/14/2023 00:45:38) Rev: 1

Contact/Location: JIMMY PERSAUD - VOLVO0093

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO

Ferrous Alloys Particle Count 491,520 🍙 10 T -26 iron 9 chromium 245,760 -25 nickel 8 122,880 -24 61,440 -23 ß Abnorma mda E, 30,720 -22 15,360 -21 2 7.680 20 3,840 -19 0 1,920 -18 🛛 Sep7/23 Sep7//23 nber of particles (per 1 ml) 4406:1999 Cleanlines: 960 17 Non-ferrous Metals 16 480 10 15 copper 240 9 m lead 14 tin 120 8 -13 60 ß 12 30 mdo 5 15 -11 2 10 8 4 9 2 8 Ω Sep7/23 Sep 7 21µ 38µ 14μ Viscosity @ 40°C Acid Number 52 0.50 Abnormal 50 0.45 0.40 48 Base 46 cSt (40°C) 41 0.25 Numper 0.20 42 U PCIQ 0.15 40 0.10 38-Abnormal 0.05 0.00 36 Sep7//23. Sep7/23 Sep7/23 Sep7/23

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