CONSTRUCTION EQUIPMENT 447 SAKAI 50755 - HYDRAULIC SYSTEM



Sample No: VCP408576 Oil Type: SHELL TELLUS S2 MX 46 Job No: 447

VOLVO



SAMPLE INFORMATION

| Sample Number | | VCP408576 | | | |
|------------------|----------|-------------|--|--|--|
| Sample Date | | 20 Oct 2023 | | | |
| Machine Hours | | 6133 | | | |
| Oil Hours | | 1000 | | | |
| Oil Changed | | Not Changd | | | |
| Sample Status | | ABNORMAL | | | |
| | | | | | |
| OIL CONDI | TION | | | | |
| Visc @ 40°C | cSt | 46.4 | | | |
| Acid Number (AN) | mg KOH/g | 0.44 | | | |
| | | | | | |
| | | | | | |

| | MINATION | | | |
|------------------|----------|--------------|------|--|
| Particles >4µm | | 48349 | | |
| Particles >6µm | | <u> </u> | | |
| Particles >14µm | | 39 | | |
| ISO 4406:1999 (d | c) | 23/18/12 | | |
| Silicon | ppm | 2 | | |
| Sodium | ppm | 3 | | |
| Potassium | ppm | 0 | | |

WEAR METALS

| | יוב ו אבס | | | |
|------------|-----------|----|------|--|
| Iron | ppm | 20 | | |
| Copper | ppm | 3 | | |
| Lead | ppm | 0 | | |
| Tin | ppm | 0 | | |
| Aluminum | ppm | 0 | | |
| Chromium | ppm | 0 | | |
| Molybdenum | ppm | 2 | | |
| Nickel | ppm | 0 | | |
| Titanium | ppm | <1 | | |
| Silver | ppm | 0 | | |
| Manganese | ppm | 0 | | |
| Vanadium | ppm | 0 | | |
| | | | | |

ADDI

| Calcium | ppm | 134 | | | |
|------------|-----|------------|--|--|--|
| Magnesium | ppm | 1 9 | | | |
| Zinc | ppm | 256 | | | |
| Phosphorus | ppm | 200 | | | |
| Barium | ppm | 0 | | | |
| Boron | ppm | 1 | | | |



TOTAL DEVELOPMENT SOLUTIONS LLC

7805 PROGRESS CT GAINESVILLE, VA US 20155 Contact: JOE SEALE jseale@totaldevelopmentsolutions.com T: (703)222-0497 F: (703)753-4586

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: TOTGAI Unique No: 10714774 Signed: Don Baldridge Report Date: 31 Oct 2023

Report Id: TOTGAI [WUSCAR] 05992112 (Generated: 10/31/2023 11:19:07) Rev: 1

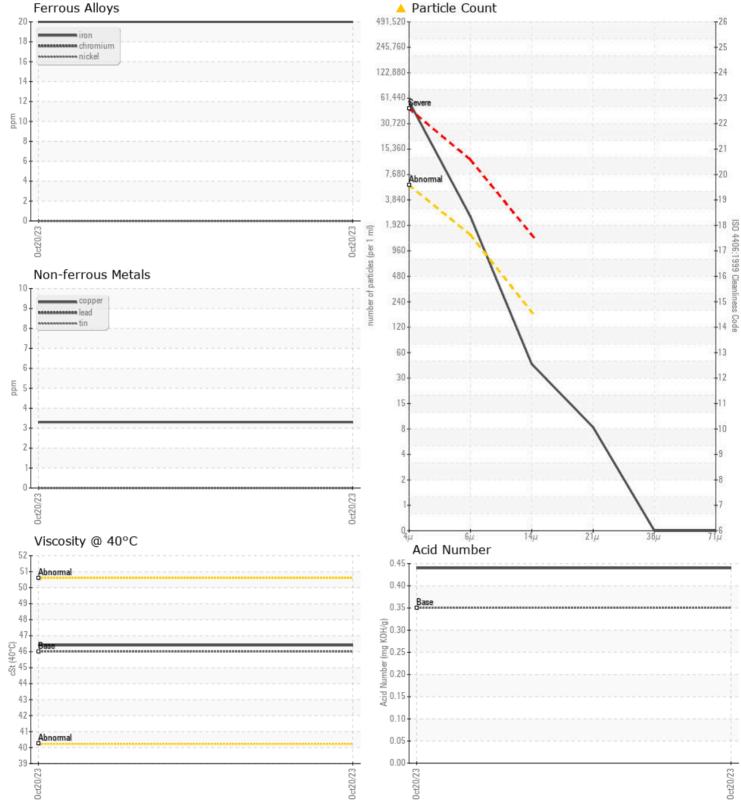
Contact/Location: JOE SEALE - TOTGAI

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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