CONSTRUCTION EQUIPMENT W07013510-2 TAKEUCHI TL 12RZ 412106919 - DIESEL ENGINE

| Sample No: | VCP414568 |
|------------|-----------------------------|
| Oil Type: | DIESEL ENGINE OIL SAE 15W40 |
| Job No: | W07013510-2 |

VOLVO

SAMPLE INFORMATION Sample Number VCP414568 Sample Date 09 Oct 2023 Machine Hours 50 Oil Hours 50 Oil Changed Changed ABNORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt **10.4** Base Number (BN) mg KOH/g 10.0 Oxidation (PA) 30 % CONTAMINATION _ ^ ^

| Soot % | % | 0.2 | | |
|----------------|-----|--------------|------|--|
| Nitration (PA) | % | 51 | | |
| Sulfation (PA) | % | 39 | | |
| Glycol | % | NEG | | |
| Fuel | % | 1.9 | | |
| Silicon | ppm | 22 | | |
| Sodium | ppm | 4 | | |
| Potassium | ppm | A 133 | | |
| | | | | |

WFAR METAL

| WEAR M | ICTALS | | | |
|------------|--------|------------|------|--|
| Iron | ppm | 1 4 | | |
| Copper | ppm | 9 | | |
| Lead | ppm | □<1 | | |
| Tin | ppm | | | |
| Aluminum | ppm | 3 | | |
| Chromium | ppm | | | |
| Molybdenum | ppm | 135 | | |
| Nickel | ppm | | | |
| Titanium | ppm | 0 | | |
| Silver | ppm | 0 | | |
| Manganese | ppm | 2 | | |
| Vanadium | ppm | 0 | | |

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| ADDITIVES | | | | | | |
|-----------|--------------------------|---------------------------------------|---|--|--|--|
| ppm | 2540 | | | | | |
| ppm | 60 | | | | | |
| ppm | 561 | | | | | |
| ppm | 454 | | | | | |
| ppm | 3 | | | | | |
| ppm | 140 | | | | | |
| | ppm ppm ppm ppm | ppm 60 ppm 561 ppm 454 ppm 3 | ppm 60 ppm 561 ppm 454 ppm 3 | ppm 60 ppm 561 ppm 454 ppm 3 | | |



McClung-Logan Virginia LLC- RICHMOND

1345 MOUNTAIN ROAD GLEN ALLEN, VA US 23060 Contact: KYLE RATLIFFE KRATLIFFE@MCCLUNG-LOGAN.COM T:

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Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. Sodium and/or potassium levels are high. Fuel content negligible. Test for glycol is negative. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

 Depot:
 VOLVO8882

 Unique No:
 10695316

 Signed:
 Jonathan Hester

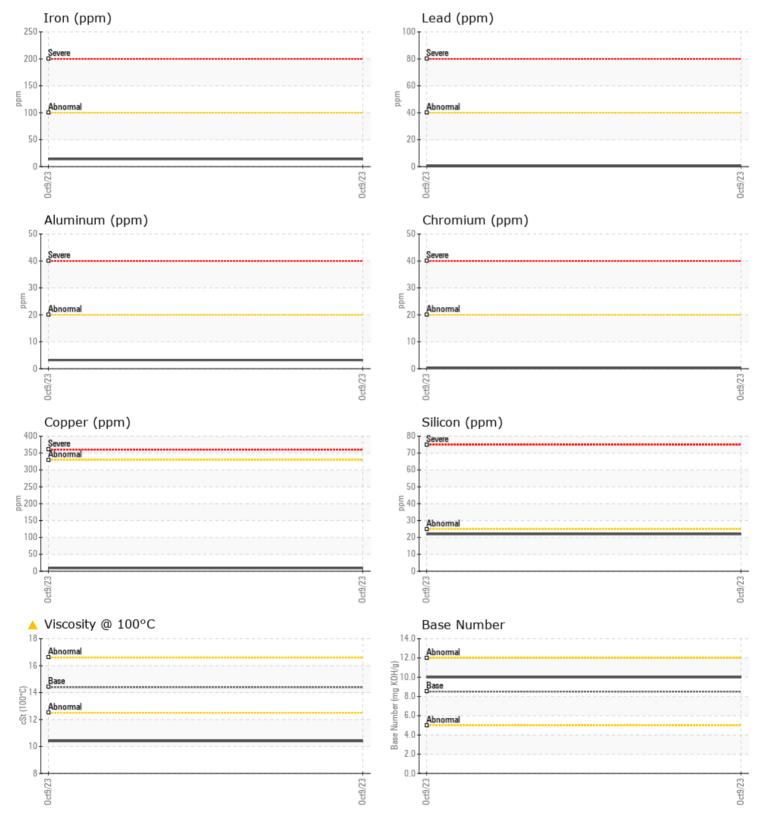
 Report Date:
 17 Oct 2023

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO8882 [WUSCAR] 05978021 (Generated: 10/17/2023 15:00:49) Rev: 1

Contact/Location: KYLE RATLIFFE - VOLVO8882