

CONSTRUCTION EQUIPMENT VOLVO A45G 342666 - DIESEL ENGINE



Sample No: VCP432129

Oil Type: DIESEL ENGINE OIL SAE 40

Job No:

Boron

| VOLVO | | | | |
|------------------|------------|--------------|--------------|------|
| SAMPLE I | NFORMATION | | | |
| Sample Number | | VCP432129 | VCP313562 | |
| Sample Date | | 08 Nov 2023 | 06 May 2021 | |
| Machine Hours | | 0 | 2142 | |
| Oil Hours | | 0 | 0 | |
| Oil Changed | | N/A | Changed | |
| Sample Status | | NORMAL | ATTENTION | |
| | | | | |
| OIL CONDI | TION | | | |
| Visc @ 100°C | cSt | 13.4 | 1 1.8 | |
| Base Number (BN) | mg KOH/g | 9.1 | | |
| Oxidation (PA) | % | 92 | 96 | |
| CONTAMI | NATION | | | |
| Soot % | % | 0.5 | 0.4 | |
| Nitration (PA) | % | 83 | 83 | |
| Sulfation (PA) | % | 71 | 72 | |
| | % | NEG | NEG | |
| Glycol Fuel | % | <1.0 | 0.3 | |
| Silicon | | < 1.0 | 5 | |
| Sodium | ppm | 3 | 4 | |
| Potassium | ppm | 0 | <1 | |
| Fotassium | ppm | | | |
| VOLVO | | | | |
| 🤍 WEAR ME | TALS | | | |
| Iron | ppm | 1 6 | 15 | |
| Copper | ppm | 2 | 112 | |
| Lead | ppm | 3 | <1 | |
| Tin | ppm | □ <1 | <1 | |
| Aluminum | ppm | 3 | 0 | |
| Chromium | ppm | ■ <1 | <1 | |
| Molybdenum | ppm | 56 | 43 | |
| Nickel | ppm | ■ <1 | <1 | |
| Titanium | ppm | 0 | <1 | |
| Silver | ppm | 0 | 0 | |
| Manganese | ppm | <1 | <1 | |
| Vanadium | ppm | 0 | 0 | |
| | ۲ ۲ | | | |
| V ADDITIVE | | | | |
| Calcium | ppm | 1903 | 1955 | |
| Magnesium | ppm | 576 | 494 | |
| Zinc | ppm | 1366 | 1010 | |
| Phosphorus | ppm | 1097 | 902 | |
| Barium | ppm | 0 | 0 | |
| - | | - 10 | | |

27



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC

8418 PALM RIVER ROAD TAMPA, FL US 33619 Contact: KENNY HANEY khaney@flaglerce.com T: (813)630-0077 F: (813)630-2233

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.

All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

 Depot:
 VOLV00093

 Unique No:
 10736472

 Signed:
 Wes Davis

 Report Date:
 10 Nov 2023

Report Id: VOLVO0093 [WUSCAR] 06002710 (Generated: 11/12/2023 12:25:22) Rev: 1

ppm

18

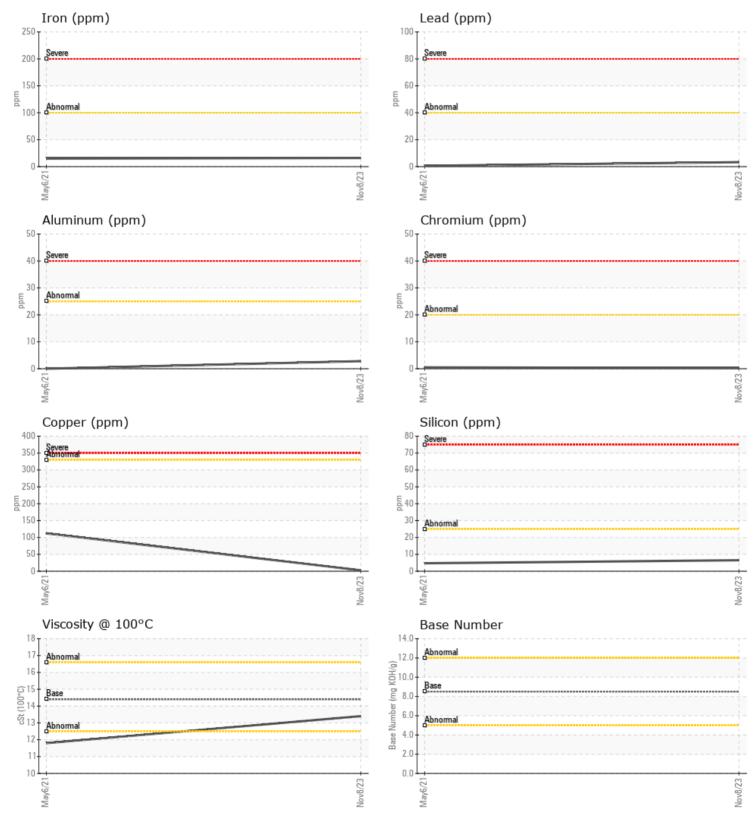
Contact/Location: KENNY HANEY - VOLVO0093

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO0093 [WUSCAR] 06002710 (Generated: 11/12/2023 12:25:25) Rev: 1

Contact/Location: KENNY HANEY - VOLVO0093