CONSTRUCTION EQUIPMENT 1451 VOLVO L 150H 7145 - DIESEL ENGINE



Sample No: VCP428893

Sodium

1

Potassium

ppm

ppm

3

6

VOLVO

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 Job No: 1451

SAMPLE INFORMATION VCP428893 Sample Number Sample Date 12 Dec 2023 Machine Hours 962 Oil Hours 0 Oil Changed Changed ABNORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt **10.8** Base Number (BN) mg KOH/g 5.2 Oxidation (PA) % 64 CONTAMINATION % NEG Water Soot % % 0.1 80 Nitration (PA) % % 60 Sulfation (PA) Glycol % NEG % Fuel 0.8 Silicon ppm 27



VCES- VOLVO CONSTRUCTION EQUIPMENT

8594 FRUITRIDGE ROAD SACRAMENTO, CA US 95826 Contact: RAY KRANZUSCH ray.kranzusch@vcesvolvo.com T: F:

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.The copper level is abnormal. All other component wear rates are normal. Tests indicate that there is no fuel present in the oil. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

| WEAR I | METALS | | | |
|------------|--------|--------------|------|--|
| Iron | ppm | 13 | | |
| Copper | ppm | A 315 | | |
| Lead | ppm | ■ <1 | | |
| Tin | ppm | 2 | | |
| Aluminum | ppm | 3 | | |
| Chromium | ppm | | | |
| Molybdenum | ppm | 96 | | |
| Nickel | ppm | | | |
| Titanium | ppm | <1 | | |
| Silver | ppm | <1 | | |
| Manganese | ppm | 3 | | |
| Vanadium | ppm | <1 | | |
| | | | | |
| ADDITI | VES | | | |
| Calcium | 0.000 | - 2252 | | |

| Calcium | ppm | 2352 | | | | | |
|------------|-----|-------------|--|--|--|--|--|
| Magnesium | ppm | 47 | | | | | |
| Zinc | ppm | 1315 | | | | | |
| Phosphorus | ppm | 1110 | | | | | |
| Barium | ppm | 10 | | | | | |
| Boron | ppm | 36 | | | | | |

 Depot:
 VOLVO4485

 Unique No:
 10805960

 Signed:
 Angela Borella

 Report Date:
 29 Dec 2023

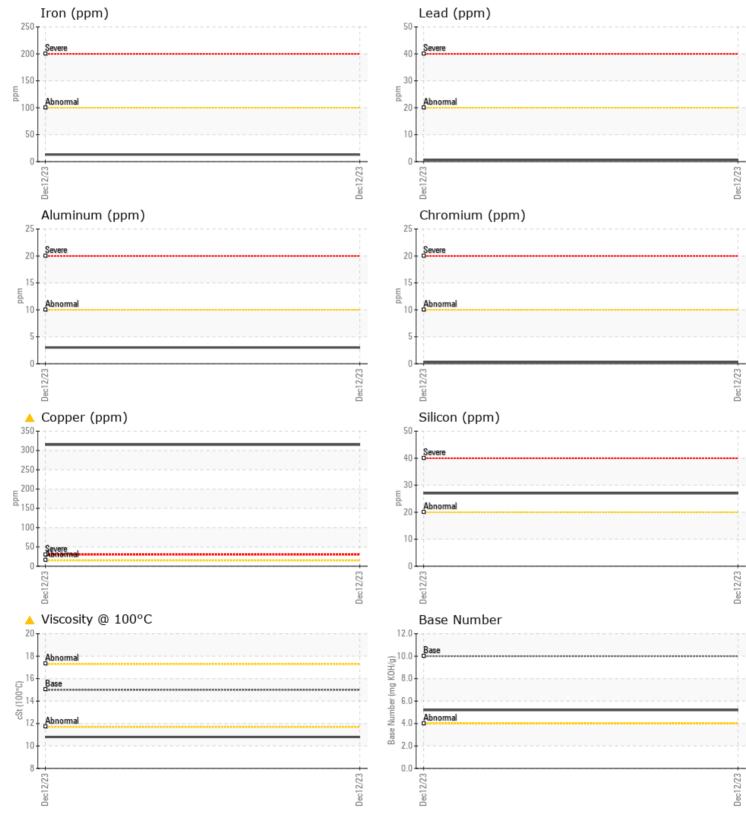
Contact/Location: RAY KRANZUSCH - VOLVO4485

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO4485 [WUSCAR] 06045352 (Generated: 12/29/2023 12:36:54) Rev: 1

Contact/Location: RAY KRANZUSCH - VOLVO4485