CONSTRUCTION EQUIPMENT SW0068260 A2 VOLVO EC350BL 314632 - DIESEL ENGINE

Sample No: VCP430857 **Oil Type:**

VOLVO

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 Job No: SW0068260 A2

VCP430857

SAMPLE INFORMATION

Sample Number

| Sample Number | | VCP430857 | | |
|---|-----------------------|-----------------------------|--------------------------|--------------|
| Sample Date | | 27 Dec 2023 | | |
| Machine Hours | | 1518 | | |
| Oil Hours | | 0 | | |
| Oil Changed | | Changed | | |
| Sample Status | | ABNORMAL | | |
| | | | | |
| OIL CONDI | TION | | | |
| Visc @ 100°C | cSt | 10.9 | | |
| Base Number (BN) | mg KOH/g | 8.1 | | |
| Oxidation (PA) | % | 59 | | |
| | | | | |
| CONTAMIN | | | | |
| | IATION | | | |
| Water | % | NEG | | |
| | - | NEG | | |
| Water | % | | | |
| Water Soot % | % | 0 | | |
| Water Soot % Nitration (PA) | % % % | 0 53 | | |
| Water Soot % Nitration (PA) Sulfation (PA) | % % % | 0 53 50 | | |
| Water Soot % Nitration (PA) Sulfation (PA) Glycol | % % % % | 0 53 50 NEG | | |
| Water Soot % Nitration (PA) Sulfation (PA) Glycol Fuel | % % % % % | 0 53 50 NEG 5.7 | | |

FAD METAL

| WLAK I | METALS | | | |
|------------|--------|------------|------|--|
| Iron | ppm | □ <1 | | |
| Copper | ppm | 12 | | |
| Lead | ppm | 0 | | |
| Tin | ppm | <1 | | |
| Aluminum | ppm | 2 | | |
| Chromium | ppm | 0 | | |
| Molybdenum | ppm | 89 | | |
| Nickel | ppm | 0 | | |
| Titanium | ppm | <1 | | |
| Silver | ppm | 0 | | |
| Manganese | ppm | □ <1 | | |
| Vanadium | maa | 0 | | |

| ADDITIVES | | | | | | |
|------------|-----|------------|--|--|--|--|
| Calcium | ppm | 1358 | | | | |
| Magnesium | ppm | 603 | | | | |
| Zinc | ppm | 936 | | | | |
| Phosphorus | ppm | 686 | | | | |
| Barium | ppm | 0 | | | | |
| Boron | ppm | 100 | | | | |



COWIN EQUIPMENT COMPANY

7950 PITTMAN AVE PENSACOLA, FL US 32534 Contact: HUGH DOBBS HDOBBS@COWIN.COM T: (850)479-3004 F: (850)474-1602

Diagnosis

We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

Depot: VOLVO8247 Unique No: 10808882 Signed: Don Baldridge Report Date: 02 Jan 2024

Report Id: VOLVO8247 [WUSCAR] 06048274 (Generated: 01/02/2024 15:46:39) Rev: 1

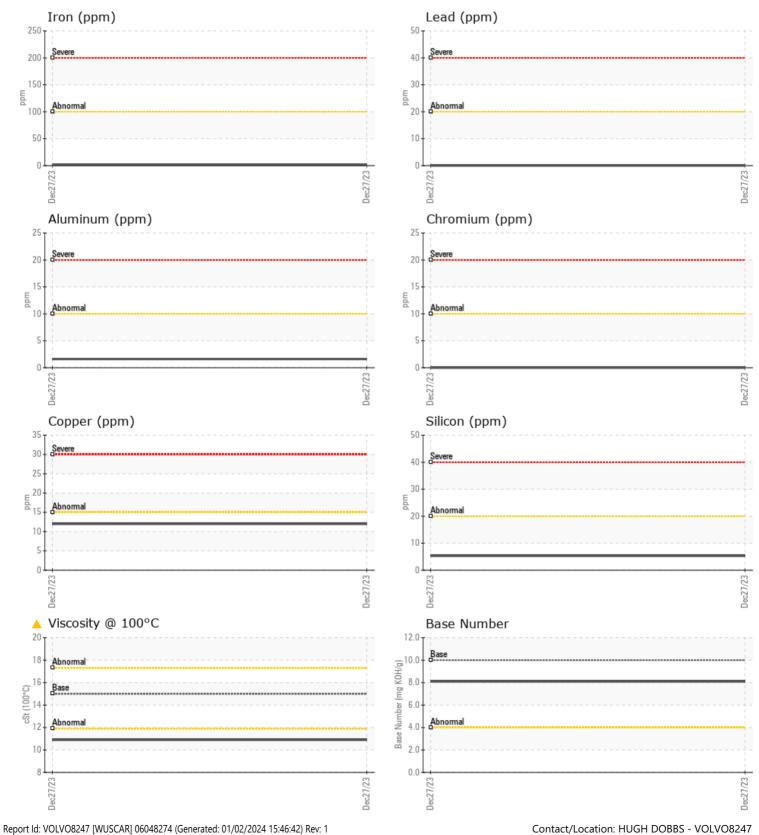
Contact/Location: HUGH DOBBS - VOLVO8247

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Contact/Location