VOLVO

CONSTRUCTION EQUIPMENT 714994 SENNEBOGEN 840 2368 - DIESEL ENGINE



VCP454467 Sample No:

| Oil Type: | VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 |
|-----------|---|
| Job No: | 714994 |

AMPLE INFORMATION

%

%

Glycol

Fuel

C.1.

NEG

<1.0

| Sample Number | - | VCP454467 | VCP431517 | |
|------------------|----------|-------------|-------------|------|
| Sample Date | | 14 May 2024 | 11 Oct 2023 | |
| Machine Hours | | 1555 | 604 | |
| Oil Hours | | 500 | 500 | |
| Oil Changed | | Changed | Changed | |
| Sample Status | | ATTENTION | ABNORMAL | |
| | | | | |
| OIL CONDI | TION | | | |
| Visc @ 100°C | cSt | 12.4 | 0.9 | |
| Base Number (BN) | mg KOH/g | 9.4 | 7.6 | |
| Oxidation (PA) | % | 67 | 71 | |
| | | | | |
| CONTAMIN | IATION | | | |
| Water | % | NEG | NEG | |
| Soot % | % | | 0.2 | |
| Nitration (PA) | % | 66 | 79 | |
| Sulfation (PA) | % | 54 | 57 | |
| | | | | |

FERROUS PROCESSING AND TRADING

3400 E LAFAYETTE DETROIT, MI US 48207 Contact: KEITH HALL keith.hall@fpt1.com T: F:

Diagnosis

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 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.

| Silicon | ppm | 7 | 13 | |
|------------|--------|-----------|-------------|------|
| Sodium | ppm | 3 | 4 | |
| Potassium | ppm | 10 | ▲ 68 | |
| WEAR | METALS | | | |
| Iron | ppm | 13 | 26 | |
| Copper | ppm | 4 | 14 | |
| Lead | ppm | 3 | < 1 | |
| Tin | ppm | 3 | <1 | |
| Aluminum | ppm | 6 | 11 | |
| Chromium | ppm | 3 | <1 | |
| Molybdenum | ppm | 60 | 61 | |
| Nickel | ppm | 3 | 0 | |
| Titanium | ppm | 2 | <1 | |
| Silver | ppm | 3 | 0 | |
| Manganese | ppm | 3 | 4 | |
| Vanadium | ppm | 2 | 0 | |
| | | | | |

2.9

NEG

| ADDITI | VES | | | |
|------------|-----|-------------|------|------|
| Calcium | ppm | 1060 | 1771 | |
| Magnesium | ppm | 926 | 381 | |
| Zinc | ppm | 1182 | 1050 | |
| Phosphorus | ppm | 994 | 952 | |
| Barium | ppm | 1 | 6 | |
| Boron | ppm | 2 | 85 | |

Depot: FERDET Unique No: 11033683 Signed: Don Baldridge Report Date: 20 May 2024

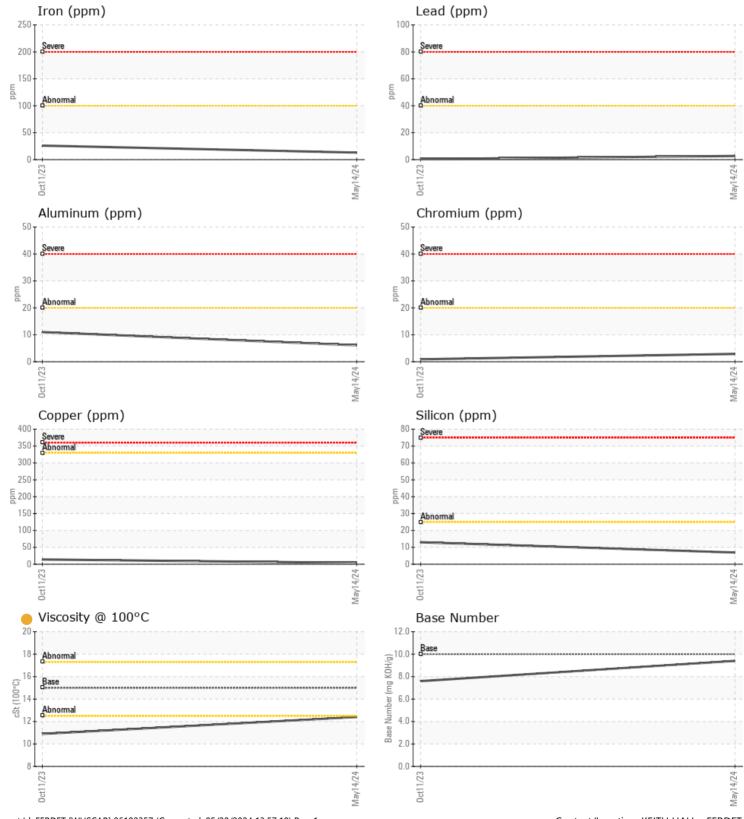
Contact/Location: KEITH HALL - FERDET

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: FERDET [WUSCAR] 06182357 (Generated: 05/20/2024 13:57:10) Rev: 1

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