CONSTRUCTION EQUIPMENT SW-25852-2 MAVERICK VOLVO EC380E 310214 - DIESEL ENGINE

 Sample No:
 VCP443482

 Oil Type:
 VOLVO ULTR

 Job No:
 SW-25852-2

VOLVO

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
 SW-25852-2 MAVERICK

| SAMPLE I | NFORMATION | | | |
|------------------|------------|-------------|-------------|------|
| Sample Number | - | VCP443482 | VCP400935 | |
| Sample Date | | 10 Nov 2023 | 26 Apr 2023 | |
| Machine Hours | | 8042 | 7547 | |
| Oil Hours | | 500 | 500 | |
| Oil Changed | | Changed | Changed | |
| Sample Status | | ATTENTION | ABNORMAL | |
| | | | | |
| OIL CONDI | | | | |
| | | A 12.1 | 110 | |
| Visc @ 100°C | cSt | ▲ 12.1 | ▲ 11.8 | |
| Base Number (BN) | | ■7.6 | 7.6 | |
| Oxidation (PA) | % | 62 | 76 | |
| VOLVO | | | | |
| CONTAMIN | NATION | | | |
| Water | % | NEG | NEG | |
| Soot % | % | ■0.1 | 0.1 | |
| Nitration (PA) | % | 59 | 58 | |
| Sulfation (PA) | % | 53 | 57 | |
| Glycol | % | NEG | NEG | |
| Fuel | % | <1.0 | ▲ 2.1 | |
| Silicon | ppm | 3 | 3 | |
| Sodium | ppm | 1 | 2 | |
| Potassium | ppm | 0 | 0 | |
| | | | | |
| WEAR ME | TAIS | | | |
| Iron | | 2 | 3 | |
| Copper | ppm | 0 | 4 | |
| Lead | ppm | ∪ <1 | | |
| Tin | ppm ppm | ■<1 ■<1 | 0 | |
| Aluminum | ppm | ■<1 ■<1 | <1 | |
| Chromium | ppm | 0 | | |
| Molybdenum | ppm | 57 | 34 | |
| Nickel | ppm | 0 | 0 | |
| Titanium | ppm | 0 | 0 | |
| Silver | ppm | 0 | 0 | |
| Manganese | ppm | □ <1 | □ <1 | |
| Vanadium | ppm | 0 | <1 | |
| | 11144 | J | | |
| | | | | |

| ADDITIVES | | | | | | | | |
|------------|-----|-------------|--------------|--|--|--|--|--|
| Calcium | ppm | 1132 | 🔺 1190 | | | | | |
| Magnesium | ppm | 928 | 362 | | | | | |
| Zinc | ppm | 1255 | A 781 | | | | | |
| Phosphorus | ppm | 1043 | 634 | | | | | |
| Barium | ppm | 0 | 0 | | | | | |
| Boron | ppm | 9 | 50 | | | | | |



ARNOLD MACHINERY COMPANY

2975 WEST 2100 SOUTH SALT LAKE CITY, UT US 84119 Contact: TJ LARK tlark@arnoldmachinery.com T: (801)972-4000 F: (801)975-9434

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.

 Depot:
 VOLVO8770

 Unique No:
 10749768

 Signed:
 Jonathan Hester

 Report Date:
 21 Nov 2023

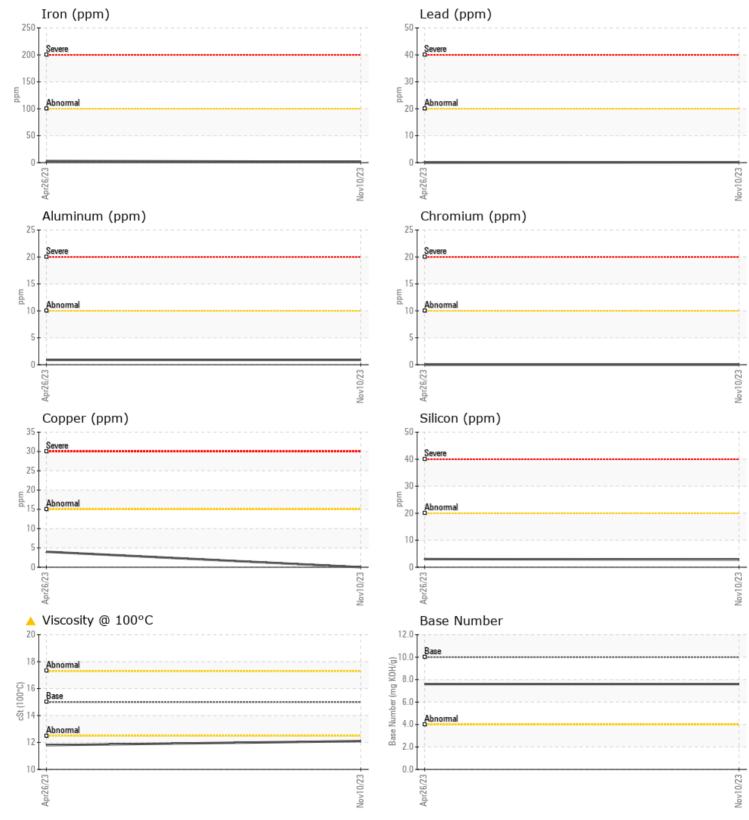
Contact/Location: TJ LARK - VOLVO8770

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO8770 [WUSCAR] 06010624 (Generated: 11/21/2023 17:08:56) Rev: 1

Contact/Location: TJ LARK - VOLVO8770