CONSTRUCTION EQUIPMENT 41879 VOLVO A40G 353415 - DIESEL ENGINE



Sample No: VCP449774

VOLVO

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 Job No: 41879

| | NFORMATION | | | | | | | | |
|------------------|-------------|-------------|--|--|--|--|--|--|--|
| Sample Number | INFORMATION | VCP449774 | | | | | | | |
| Sample Date | | 15 Apr 2024 | | | | | | | |
| Machine Hours | | 977 | | | | | | | |
| Oil Hours | | 0 | | | | | | | |
| Oil Changed | | Changed | | | | | | | |
| Sample Status | | ABNORMAL | | | | | | | |
| | | | | | | | | | |
| OIL COND | ITION | | | | | | | | |
| Visc @ 100°C | cSt | | | | | | | | |
| Base Number (BN) | mg KOH/g | 8.3 | | | | | | | |
| Oxidation (PA) | % | 80 | | | | | | | |
| | | | | | | | | | |
| CONTAMINATION | | | | | | | | | |
| Water | % | NEG | | | | | | | |
| Soot % | % | 0.2 | | | | | | | |
| Nitration (PA) | % | 68 | | | | | | | |
| Sulfation (PA) | % | 62 | | | | | | | |
| Glycol | % | NEG | | | | | | | |
| Fuel | % | 0.6 | | | | | | | |
| Silicon | ppm | 10 | | | | | | | |
| Sodium | ppm | 4 | | | | | | | |
| Potassium | ppm | 4 | | | | | | | |
| | | | | | | | | | |
| WEAR MI | | | | | | | | | |



215 - ASCENDUM MACHINERY INC - CAYCE 2303 AIRPORT BLVD CAYCE, SC US 29033 Contact: TAMI BROWDER

T: (803)923-2138 F: (803)791-9920

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.Exhaust valve wear is indicated. Fuel content negligible. 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 | METALS | | | |
|------------|--------|-------------|------|--|
| Iron | ppm | 17 | | |
| Copper | ppm | 136 | | |
| Lead | ppm | 2 | | |
| Tin | ppm | □ <1 | | |
| Aluminum | ppm | 1 | | |
| Chromium | ppm | □ <1 | | |
| Molybdenum | ppm | 46 | | |
| Nickel | ppm | A 16 | | |
| Titanium | ppm | 0 | | |
| Silver | ppm | 0 | | |
| Manganese | ppm | 2 | | |
| Vanadium | ppm | <1 | | |
| | | | | |
| ADDITI | VES | | | |
| Calcium | nnm | 1658 | | |

| Calcium | ppm | 1658 | | |
|------------|-----|------|------|--|
| Magnesium | ppm | 383 | | |
| Zinc | ppm | 977 | | |
| Phosphorus | ppm | 867 | | |
| Barium | ppm | 0 | | |
| Boron | ppm | 36 | | |

 Depot:
 VOLVO0013

 Unique No:
 10981657

 Signed:
 Sean Felton

 Report Date:
 22 Apr 2024

Report Id: VOLVO0013 [WUSCAR] 06151579 (Generated: 04/23/2024 05:28:32) Rev: 1

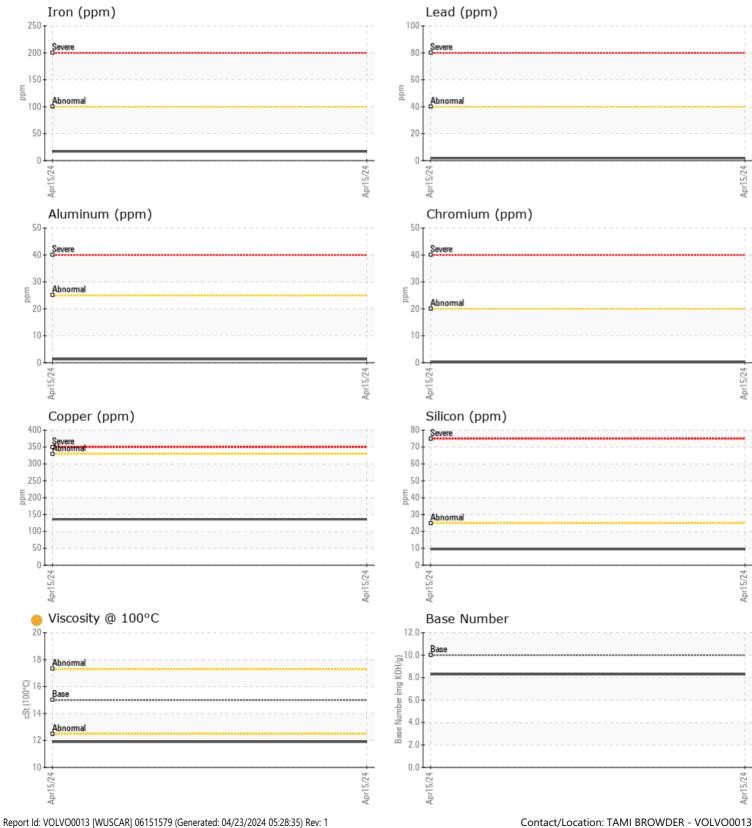
Contact/Location: TAMI BROWDER - VOLVO0013

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Contact/Location: TAMI BROWDER - VOLVO0013