CONSTRUCTION EQUIPMENT 578343 T&K CONSTRUCT VOLVO A45G 752151 - DIESEL ENGINE

Sample No: VCP439775

VOLVO

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No:

578343 T&K CONSTRUCT

| | INFORMATION | | | | |
|------------------|-------------|-------------|--|--|--|
| Sample Number | - | VCP439775 | | | |
| Sample Date | | 07 Jun 2024 | | | |
| Machine Hours | | 646 | | | |
| Oil Hours | | 646 | | | |
| Oil Changed | | Changed | | | |
| Sample Status | | ABNORMAL | | | |
| | | | | | |
| OIL COND | ITION | | | | |
| Visc @ 100°C | cSt | 10.8 | | | |
| Base Number (BN) | mg KOH/g | 6.2 | | | |
| Oxidation (PA) | % | 55 | | | |
| | | | | | |
| CONTAMINATION | | | | | |
| Water | % | NEG | | | |
| Soot % | % | 0.2 | | | |
| Nitration (PA) | % | 80 | | | |
| Sulfation (PA) | % | 53 | | | |
| Glycol | % | NEG | | | |
| Fuel | % | 0.3 | | | |
| Silicon | ppm | 28 | | | |
| Sodium | ppm | 4 | | | |
| Potassium | ppm | 1 | | | |

Potassium

WEAR METALS 20 Iron ppm 383 Copper ppm Lead 3 ppm Tin ppm 3 Aluminum 2 ppm **||** <1 Chromium ppm Molybdenum ppm 75 Nickel **4** ppm Titanium 0 ppm Silver ppm 0 Manganese ppm 2 Vanadium 0 ppm

ADDITIVES 2305 Calcium ppm 32 Magnesium ppm Zinc 1120 ppm Phosphorus ppm 991 Barium **||** <1 ppm 29 Boron ppm



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC 8418 PALM RIVER ROAD TAMPA, FL US 33619 Contact: JOHN FARDELLA john.fardella@altg.com T: (813)630-0077 F: (813)630-2233

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. The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other metal levels are typical for a new component breaking in. 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.

 Depot:
 VOLV00093

 Unique No:
 11126322

 Signed:
 Sean Felton

 Report Date:
 18 Jul 2024

Report Id: VOLVO0093 [WUSCAR] 06237488 (Generated: 07/18/2024 09:12:33) Rev: 1

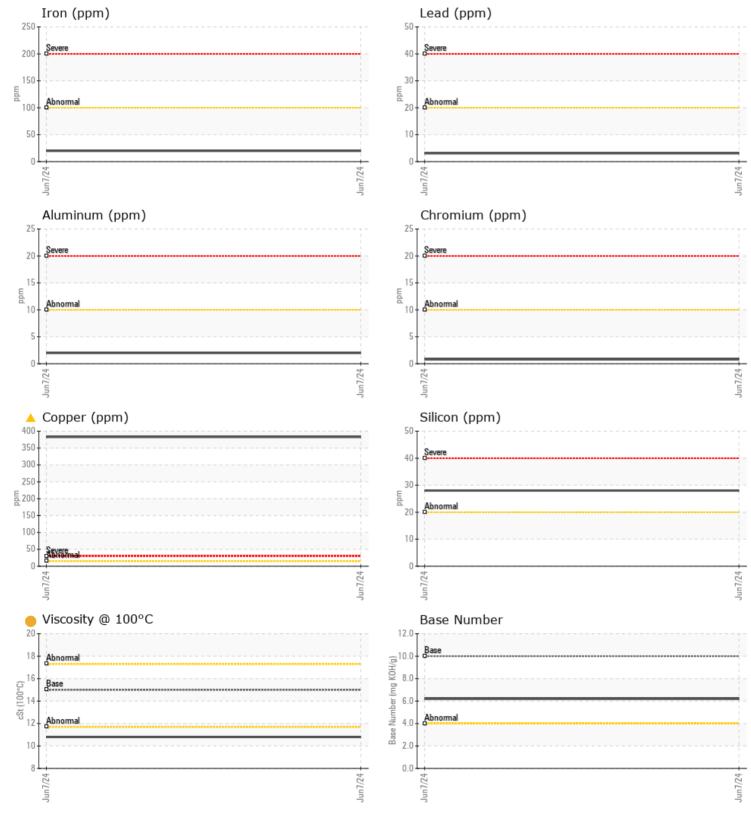
Contact/Location: JOHN FARDELLA - VOLVO0093

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Contact/Location: JOHN FARDELLA - VOLVO0093