



CONSTRUCTION EQUIPMENT

X42458 VOLVO A25G 752304 - DIESEL ENGINE



Sample No: VCP371106
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: X42458



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP371106 | --- | --- | --- |
| Sample Date | 06 Feb 2023 | --- | --- | --- |
| Machine Hours | 622 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Not Changed | --- | --- | --- |
| Sample Status | ABNORMAL | --- | --- | --- |

SCOTT EQUIPMENT COMPANY LLC - Lavergne
 1231 BRIDGESTONE PARKWAY
 LAVERGNE, TN
 US 37086
 Contact: CLAY COULTER
 CCOULTER@SCOTTCOMPANIES.COM
 T: (615)793-3888
 F: (615)793-9655



OIL CONDITION

| | | | | | |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 100°C | cSt | █ 13.4 | --- | --- | --- |
| Base Number (BN) | mg KOH/g | █ 9.8 | --- | --- | --- |
| Oxidation (PA) | % | 52 | --- | --- | --- |

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.



CONTAMINATION

| | | | | | |
|----------------|-----|-------|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Soot % | % | █ 0.1 | --- | --- | --- |
| Nitration (PA) | % | 48 | --- | --- | --- |
| Sulfation (PA) | % | 46 | --- | --- | --- |
| Glycol | % | NEG | --- | --- | --- |
| Fuel | % | <1.0 | --- | --- | --- |
| Silicon | ppm | █ 7 | --- | --- | --- |
| Sodium | ppm | █ <1 | --- | --- | --- |
| Potassium | ppm | █ 2 | --- | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Iron | ppm | █ 4 | --- | --- | --- |
| Copper | ppm | ▲ 65 | --- | --- | --- |
| Lead | ppm | █ <1 | --- | --- | --- |
| Tin | ppm | █ <1 | --- | --- | --- |
| Aluminum | ppm | █ 0 | --- | --- | --- |
| Chromium | ppm | █ <1 | --- | --- | --- |
| Molybdenum | ppm | █ 61 | --- | --- | --- |
| Nickel | ppm | █ <1 | --- | --- | --- |
| Titanium | ppm | 0 | --- | --- | --- |
| Silver | ppm | █ 0 | --- | --- | --- |
| Manganese | ppm | █ <1 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | █ 1195 | --- | --- | --- |
| Magnesium | ppm | █ 782 | --- | --- | --- |
| Zinc | ppm | █ 1229 | --- | --- | --- |
| Phosphorus | ppm | █ 1029 | --- | --- | --- |
| Barium | ppm | █ 0 | --- | --- | --- |
| Boron | ppm | █ 10 | --- | --- | --- |

Depot: VOLV00129
Unique No: 10332792
Signed: Don Baldrige
Report Date: 10 Feb 2023



CONSTRUCTION EQUIPMENT



GRAPHS

