



CONSTRUCTION EQUIPMENT

717092 HALEY STONE VOLVO L35B 1873696 - DIESEL ENGINE



Sample No: VCP453522
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 717092 HALEY STONE



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP453522 | --- | --- | --- |
| Sample Date | 05 Jun 2024 | --- | --- | --- |
| Machine Hours | 1529 | --- | --- | --- |
| Oil Hours | 500 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | ATTENTION | --- | --- | --- |

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OIL CONDITION

| | | | | | |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 100°C | cSt | ● 18.5 | --- | --- | --- |
| Base Number (BN) | mg KOH/g | ■ 7.5 | --- | --- | --- |
| Oxidation (PA) | % | ■ 115 | --- | --- | --- |

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 higher than normal. The BN result indicates that there is suitable alkalinity remaining in the oil.



CONTAMINATION

| | | | | | |
|----------------|-----|-------|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Soot % | % | ■ 0.5 | --- | --- | --- |
| Nitration (PA) | % | ■ 115 | --- | --- | --- |
| Sulfation (PA) | % | ■ 80 | --- | --- | --- |
| Glycol | % | NEG | --- | --- | --- |
| Fuel | % | <1.0 | --- | --- | --- |
| Silicon | ppm | ■ 11 | --- | --- | --- |
| Sodium | ppm | ■ 3 | --- | --- | --- |
| Potassium | ppm | ■ 7 | --- | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Iron | ppm | ■ 39 | --- | --- | --- |
| Copper | ppm | ■ 3 | --- | --- | --- |
| Lead | ppm | ■ 2 | --- | --- | --- |
| Tin | ppm | ■ 0 | --- | --- | --- |
| Aluminum | ppm | ■ 4 | --- | --- | --- |
| Chromium | ppm | ■ 2 | --- | --- | --- |
| Molybdenum | ppm | ■ 15 | --- | --- | --- |
| Nickel | ppm | ■ 0 | --- | --- | --- |
| Titanium | ppm | 0 | --- | --- | --- |
| Silver | ppm | ■ 0 | --- | --- | --- |
| Manganese | ppm | ■ <1 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | ■ 2594 | --- | --- | --- |
| Magnesium | ppm | ■ 172 | --- | --- | --- |
| Zinc | ppm | ■ 1457 | --- | --- | --- |
| Phosphorus | ppm | ■ 1169 | --- | --- | --- |
| Barium | ppm | ■ 0 | --- | --- | --- |
| Boron | ppm | ■ 96 | --- | --- | --- |

Depot: VOLVO2990
Unique No: 11087224
Signed: Don Baldrige
Report Date: 21 Jun 2024



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GRAPHS

