



CONSTRUCTION EQUIPMENT

SPM620877-10 BONACCI VOLVO EC350 3 10252 - DIESEL ENGINE



Sample No: VCP409100
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM620877-10 BONACCI



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP409100 | --- | --- | --- |
| Sample Date | 25 Oct 2023 | --- | --- | --- |
| Machine Hours | 5195 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | N/A | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

ALTA EQUIPMENT COMPANY - METRO WEST
56195 PONTIAC TRAIL
NEW HUDSON, MI
US 48165
Contact: NATE ROSZCZEWSKI
nate.roszczewski@altaequipment.com
T:
F: (248)356-2029



OIL CONDITION

| | | | | | |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 100°C | cSt | █ 12.6 | --- | --- | --- |
| Base Number (BN) | mg KOH/g | █ 9.5 | --- | --- | --- |
| Oxidation (PA) | % | 84 | --- | --- | --- |

Diagnosis

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

| | | | | | |
|----------------|-----|-------|-----|-----|-----|
| Soot % | % | █ 0.1 | --- | --- | --- |
| Nitration (PA) | % | 69 | --- | --- | --- |
| Sulfation (PA) | % | 61 | --- | --- | --- |
| Glycol | % | NEG | --- | --- | --- |
| Fuel | % | <1.0 | --- | --- | --- |
| Silicon | ppm | █ 4 | --- | --- | --- |
| Sodium | ppm | █ 1 | --- | --- | --- |
| Potassium | ppm | █ 1 | --- | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Iron | ppm | █ 5 | --- | --- | --- |
| Copper | ppm | █ 2 | --- | --- | --- |
| Lead | ppm | █ <1 | --- | --- | --- |
| Tin | ppm | █ <1 | --- | --- | --- |
| Aluminum | ppm | █ 3 | --- | --- | --- |
| Chromium | ppm | █ <1 | --- | --- | --- |
| Molybdenum | ppm | █ 39 | --- | --- | --- |
| Nickel | ppm | █ <1 | --- | --- | --- |
| Titanium | ppm | █ <1 | --- | --- | --- |
| Silver | ppm | █ 0 | --- | --- | --- |
| Manganese | ppm | █ 0 | --- | --- | --- |
| Vanadium | ppm | <1 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | █ 1691 | --- | --- | --- |
| Magnesium | ppm | █ 474 | --- | --- | --- |
| Zinc | ppm | █ 1147 | --- | --- | --- |
| Phosphorus | ppm | █ 962 | --- | --- | --- |
| Barium | ppm | █ 7 | --- | --- | --- |
| Boron | ppm | █ 50 | --- | --- | --- |

Depot: VOLVO2990
Unique No: 10737813
Signed: Wes Davis
Report Date: 10 Nov 2023



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GRAPHS

