



CONSTRUCTION EQUIPMENT

633943 SALTMORE GENIE GTH1256 GTH12M-835 - DIESEL ENGINE



Sample No: VCP433730
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 633943 SALTMORE



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | VCP433730 | VCP412641 | --- | --- |
| Sample Date | 05 Dec 2023 | 09 Aug 2023 | --- | --- |
| Machine Hours | 1218 | 817 | --- | --- |
| Oil Hours | 500 | 817 | --- | --- |
| Oil Changed | Changed | Changed | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |

ALTA EQUIPMENT COMPANY - METRO WEST
56195 PONTIAC TRAIL
NEW HUDSON, MI
US 48165
Contact: PAUL CONZ
paul.conz@altg.com
T: (313)348-8861
F: (248)356-2029

OIL CONDITION

| | | | | | |
|------------------|----------|-------------|------|-----|-----|
| Visc @ 100°C | cSt | 12.8 | 12.2 | --- | --- |
| Base Number (BN) | mg KOH/g | 9.4 | 7.4 | --- | --- |
| Oxidation (PA) | % | 55 | 63 | --- | --- |

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

| | | | | | |
|----------------|-----|----------------|-----|-----|-----|
| Water | % | NEG | NEG | --- | --- |
| Soot % | % | 0.1 | 0.2 | --- | --- |
| Nitration (PA) | % | 52 | 70 | --- | --- |
| Sulfation (PA) | % | 50 | 53 | --- | --- |
| Glycol | % | NEG | NEG | --- | --- |
| Fuel | % | <1.0 | 0.6 | --- | --- |
| Silicon | ppm | 8 | 18 | --- | --- |
| Sodium | ppm | 0 | 2 | --- | --- |
| Potassium | ppm | 1 | 2 | --- | --- |

WEAR METALS

| | | | | | |
|------------|-----|-----------|----|-----|-----|
| Iron | ppm | 18 | 36 | --- | --- |
| Copper | ppm | 3 | 13 | --- | --- |
| Lead | ppm | 0 | 2 | --- | --- |
| Tin | ppm | 0 | <1 | --- | --- |
| Aluminum | ppm | 1 | 3 | --- | --- |
| Chromium | ppm | 1 | 5 | --- | --- |
| Molybdenum | ppm | 60 | 55 | --- | --- |
| Nickel | ppm | 0 | 0 | --- | --- |
| Titanium | ppm | 0 | 0 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | 0 | 3 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|-------------|------|-----|-----|
| Calcium | ppm | 1051 | 1722 | --- | --- |
| Magnesium | ppm | 845 | 559 | --- | --- |
| Zinc | ppm | 1154 | 1342 | --- | --- |
| Phosphorus | ppm | 983 | 1088 | --- | --- |
| Barium | ppm | 3 | 0 | --- | --- |
| Boron | ppm | 9 | 96 | --- | --- |

Depot: VOLVO2990
Unique No: 10778858
Signed: Don Baldrige
Report Date: 11 Dec 2023



CONSTRUCTION EQUIPMENT



GRAPHS

