



# CONSTRUCTION EQUIPMENT

SWA335136 MEIJER JTF UC1274876 460995 - DIESEL ENGINE



**Sample No:** VCP410577  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** SWA335136 MEIJER



## SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP410577   | --- | --- | --- |
| Sample Date   | 12 Oct 2023 | --- | --- | --- |
| Machine Hours | 1404        | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | N/A         | --- | --- | --- |
| Sample Status | NORMAL      | --- | --- | --- |

**ALTA CONSTRUCTION EQUIPMENT LLC**  
 G-3283 S. DORT HIGHWAY  
 BURTON, MI  
 US 48529  
 Contact: BURTON SERVICE  
 BURTON.SERVICE@ALTAEQUIPMENT.COM  
 T:  
 F:



## OIL CONDITION

|                  |          |        |     |     |     |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 100°C     | cSt      | █ 14.2 | --- | --- | --- |
| Base Number (BN) | mg KOH/g | █ 9.7  | --- | --- | --- |
| Oxidation (PA)   | %        | 56     | --- | --- | --- |

## 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 acceptable for the time in service.



## CONTAMINATION

|                |     |       |     |     |     |
|----------------|-----|-------|-----|-----|-----|
| Soot %         | %   | █ 0.1 | --- | --- | --- |
| Nitration (PA) | %   | 43    | --- | --- | --- |
| Sulfation (PA) | %   | 49    | --- | --- | --- |
| Glycol         | %   | NEG   | --- | --- | --- |
| Fuel           | %   | <1.0  | --- | --- | --- |
| Silicon        | ppm | █ 3   | --- | --- | --- |
| Sodium         | ppm | █ 3   | --- | --- | --- |
| Potassium      | ppm | █ 2   | --- | --- | --- |



## WEAR METALS

|            |     |      |     |     |     |
|------------|-----|------|-----|-----|-----|
| Iron       | ppm | █ 3  | --- | --- | --- |
| Copper     | ppm | █ 4  | --- | --- | --- |
| Lead       | ppm | █ <1 | --- | --- | --- |
| Tin        | ppm | █ <1 | --- | --- | --- |
| Aluminum   | ppm | █ 2  | --- | --- | --- |
| Chromium   | ppm | █ <1 | --- | --- | --- |
| Molybdenum | ppm | █ 55 | --- | --- | --- |
| Nickel     | ppm | █ <1 | --- | --- | --- |
| Titanium   | ppm | 1    | --- | --- | --- |
| Silver     | ppm | █ 0  | --- | --- | --- |
| Manganese  | ppm | █ 0  | --- | --- | --- |
| Vanadium   | ppm | <1   | --- | --- | --- |



## ADDITIVES

|            |     |        |     |     |     |
|------------|-----|--------|-----|-----|-----|
| Calcium    | ppm | █ 1061 | --- | --- | --- |
| Magnesium  | ppm | █ 877  | --- | --- | --- |
| Zinc       | ppm | █ 1185 | --- | --- | --- |
| Phosphorus | ppm | █ 1014 | --- | --- | --- |
| Barium     | ppm | █ 0    | --- | --- | --- |
| Boron      | ppm | █ 9    | --- | --- | --- |

**Depot:** VOLVO5023  
**Unique No:** 10712808  
**Signed:** Sean Felton  
**Report Date:** 27 Oct 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

