



# CONSTRUCTION EQUIPMENT

SWA373333 GENIE Z45/25 Z4525N-57641 - DIESEL ENGINE



**Sample No:** VCP429169  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** SWA373333



## SAMPLE INFORMATION

Sample Number	VCP429169	---	---	---
Sample Date	09 Oct 2023	---	---	---
Machine Hours	947	---	---	---
Oil Hours	460	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

### ALTA EQUIPMENT COMPANY

1061 STEPKE COURT  
 TRAVERSE CITY, MI  
 US 49685  
 Contact: KEVIN DOHM  
 kevin.dohm@altaequipment.com  
 T: (231)943-3700  
 F: (231)943-8110



## OIL CONDITION

Visc @ 100°C	cSt	█ 13.3	---	---	---
Base Number (BN)	mg KOH/g	█ 7.9	---	---	---
Oxidation (PA)	%	97	---	---	---

### 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)	%	97	---	---	---
Sulfation (PA)	%	61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 11	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 2	---	---	---



## WEAR METALS

Iron	ppm	█ 10	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 31	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 1425	---	---	---
Magnesium	ppm	█ 495	---	---	---
Zinc	ppm	█ 829	---	---	---
Phosphorus	ppm	█ 657	---	---	---
Barium	ppm	█ 1	---	---	---
Boron	ppm	█ 57	---	---	---

**Depot:** VOLVO8501  
**Unique No:** 10688774  
**Signed:** Sean Felton  
**Report Date:** 13 Oct 2023



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## GRAPHS

