



# CONSTRUCTION EQUIPMENT

## 25375 VOLVO DD25B 660013 - DIESEL ENGINE



**Sample No:** VCP455260  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 25375



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### SAMPLE INFORMATION

Sample Number	VCP455260	VCP215724	---	---
Sample Date	18 Apr 2024	26 Dec 2017	---	---
Machine Hours	3710	1061	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---



### OIL CONDITION

Visc @ 100°C	cSt	13.2	14.14	---	---
Base Number (BN)	mg KOH/g	9.5	---	---	---
Oxidation (PA)	%	90	64	---	---



### CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.5	0.2	---	---
Nitration (PA)	%	84	58	---	---
Sulfation (PA)	%	64	53	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	9	7	---	---
Sodium	ppm	3	7	---	---
Potassium	ppm	0	4	---	---



### WEAR METALS

Iron	ppm	20	20	---	---
Copper	ppm	0	<1	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	4	4	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	52	88	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



### ADDITIVES

Calcium	ppm	1814	1361	---	---
Magnesium	ppm	542	551	---	---
Zinc	ppm	1214	792	---	---
Phosphorus	ppm	1014	675	---	---
Barium	ppm	0	0	---	---
Boron	ppm	98	235	---	---

### 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.

**Depot:** VOLVO3387  
**Unique No:** 10992768  
**Signed:** Wes Davis  
**Report Date:** 24 Apr 2024



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## GRAPHS

