



# CONSTRUCTION EQUIPMENT

703609 RENTALS VOLVO EC550EL 310086 - DIESEL ENGINE



**Sample No:** VCP445995  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 703609 RENTALS



## SAMPLE INFORMATION

Sample Number	VCP445995	VCP431662	---	---
Sample Date	09 May 2024	23 Oct 2023	---	---
Machine Hours	2410	936	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ATTENTION	ATTENTION	---	---

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## OIL CONDITION

Visc @ 100°C	cSt	12.0	10.5	---	---
Base Number (BN)	mg KOH/g	7.0	4.4	---	---
Oxidation (PA)	%	67	76	---	---

## 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 oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



## CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.3	0.2	---	---
Nitration (PA)	%	72	88	---	---
Sulfation (PA)	%	58	66	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	0.6	---	---
Silicon	ppm	10	42	---	---
Sodium	ppm	<1	6	---	---
Potassium	ppm	2	6	---	---



## WEAR METALS

Iron	ppm	8	21	---	---
Copper	ppm	14	201	---	---
Lead	ppm	1	2	---	---
Tin	ppm	2	4	---	---
Aluminum	ppm	2	5	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	64	100	---	---
Nickel	ppm	3	1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	<1	4	---	---
Vanadium	ppm	<1	<1	---	---



## ADDITIVES

Calcium	ppm	1131	2623	---	---
Magnesium	ppm	945	71	---	---
Zinc	ppm	1206	1443	---	---
Phosphorus	ppm	939	1192	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	4	---	---

**Depot:** VOLVO0095  
**Unique No:** 11035270  
**Signed:** Sean Felton  
**Report Date:** 21 May 2024



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## GRAPHS

