



# CONSTRUCTION EQUIPMENT

## VOLVO ECR145EL 316916 - DIESEL ENGINE



**Sample No:** VCP422061

**Oil Type:** NOT GIVEN

**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP422061	---	---	---
Sample Date	22 Nov 2023	---	---	---
Machine Hours	392	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

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### OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	---	---	---
Base Number (BN)	mg KOH/g	█ 6.9	---	---	---
Oxidation (PA)	%	40	---	---	---

### Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. Metal levels are typical for a new component breaking in. 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	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	53	---	---	---
Sulfation (PA)	%	45	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 18	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 3	---	---	---



### WEAR METALS

Iron	ppm	█ 13	---	---	---
Copper	ppm	█ 7	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 7	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 22	---	---	---
Nickel	ppm	█ 8	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	3	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	█ 2013	---	---	---
Magnesium	ppm	█ 56	---	---	---
Zinc	ppm	█ 922	---	---	---
Phosphorus	ppm	762	---	---	---
Barium	ppm	█ 12	---	---	---
Boron	ppm	█ 2	---	---	---

**Depot:** VOLVO0093  
**Unique No:** 10782882  
**Signed:** Wes Davis  
**Report Date:** 14 Dec 2023



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## GRAPHS

