



# CONSTRUCTION EQUIPMENT

SWA319807 VOLVO EC350EL 314349 - DIESEL ENGINE



**Sample No:** VCP370434  
**Oil Type:** NOT GIVEN  
**Job No:** SWA319807



## SAMPLE INFORMATION

Sample Number	VCP370434	---	---	---
Sample Date	02 Aug 2023	---	---	---
Machine Hours	1455	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

### ALTA EQUIPMENT

5985 COURT STREET ROAD  
SYRACUSE, NY  
US 13206  
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## OIL CONDITION

Visc @ 100°C	cSt	█ 12.3	---	---	---
Base Number (BN)	mg KOH/g	█ 6.6	---	---	---
Oxidation (PA)	%	81	---	---	---



## CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	85	---	---	---
Sulfation (PA)	%	63	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 1.3	---	---	---
Silicon	ppm	█ 10	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ <1	---	---	---



## WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	▲ 84	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 50	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 1929	---	---	---
Magnesium	ppm	█ 542	---	---	---
Zinc	ppm	█ 1230	---	---	---
Phosphorus	ppm	█ 985	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 12	---	---	---

## Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. The copper level is abnormal. All other component wear rates are normal. Fuel content negligible. 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.

**Depot:** VOLV00142  
**Unique No:** 10602704  
**Signed:** Don Baldrige  
**Report Date:** 15 Aug 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

