



# CONSTRUCTION EQUIPMENT

## VOLVO EC350EL 314240 - DIESEL ENGINE



**Sample No:** VCP0008188

**Oil Type:** {unknown}

**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP0008188</b>	VCP0007828	---	---
Sample Date	<b>16 Jul 2024</b>	15 Apr 2024	---	---
Machine Hours	<b>2291</b>	0	---	---
Oil Hours	<b>2291</b>	0	---	---
Oil Changed	<b>N/A</b>	N/A	---	---
Sample Status	<b>ABNORMAL</b>	ABNORMAL	---	---

**ALTA EQUIPMENT COMPANY**

8750 PHILIPS HWY  
JACKSONVILLE, FL  
US 32256

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### OIL CONDITION

Visc @ 100°C	cSt	<b>9.7</b>	12.4	---	---
Base Number (BN)	mg KOH/g	<b>10.6</b>	9.0	---	---
Oxidation (PA)	%	<b>69</b>	63	---	---

### Diagnosis

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. All component wear rates are normal. Fuel content negligible. Elemental level of silicon (Si) above normal indicating ingress of seal material. 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.



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Soot %	%	<b>0</b>	0.1	---	---
Nitration (PA)	%	<b>41</b>	55	---	---
Sulfation (PA)	%	<b>58</b>	57	---	---
Glycol	%	<b>NEG</b>	NEG	---	---
Fuel	%	<b>0.4</b>	0.5	---	---
Silicon	ppm	<b>▲ 24</b>	7	---	---
Sodium	ppm	<b>&lt;1</b>	<1	---	---
Potassium	ppm	<b>2</b>	2	---	---



### WEAR METALS

Iron	ppm	<b>3</b>	4	---	---
Copper	ppm	<b>4</b>	▲ 22	---	---
Lead	ppm	<b>&lt;1</b>	0	---	---
Tin	ppm	<b>&lt;1</b>	<1	---	---
Aluminum	ppm	<b>3</b>	3	---	---
Chromium	ppm	<b>&lt;1</b>	<1	---	---
Molybdenum	ppm	<b>52</b>	129	---	---
Nickel	ppm	<b>&lt;1</b>	0	---	---
Titanium	ppm	<b>&lt;1</b>	0	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>&lt;1</b>	0	---	---
Vanadium	ppm	<b>&lt;1</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>1496</b>	1601	---	---
Magnesium	ppm	<b>482</b>	506	---	---
Zinc	ppm	<b>1054</b>	1085	---	---
Phosphorus	ppm	<b>900</b>	980	---	---
Barium	ppm	<b>&lt;1</b>	0	---	---
Boron	ppm	<b>100</b>	354	---	---

**Depot:** VOLVO0092  
**Unique No:** 11127825  
**Signed:** Sean Felton  
**Report Date:** 19 Jul 2024

Submitted By: TECHNICIAN ACCOUNT

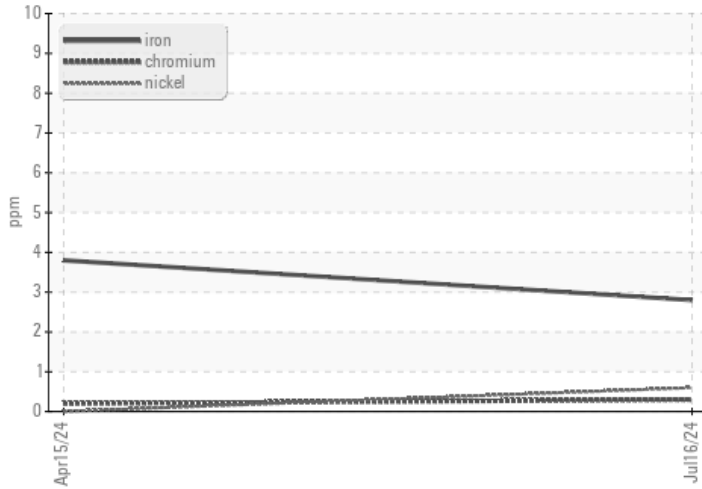


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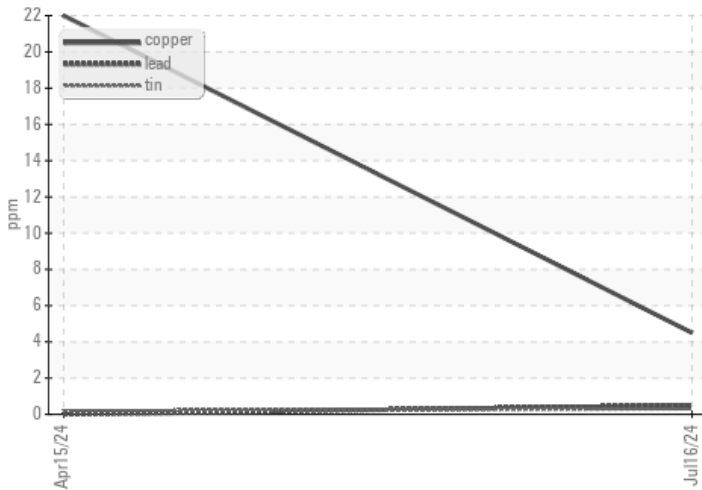


## GRAPHS

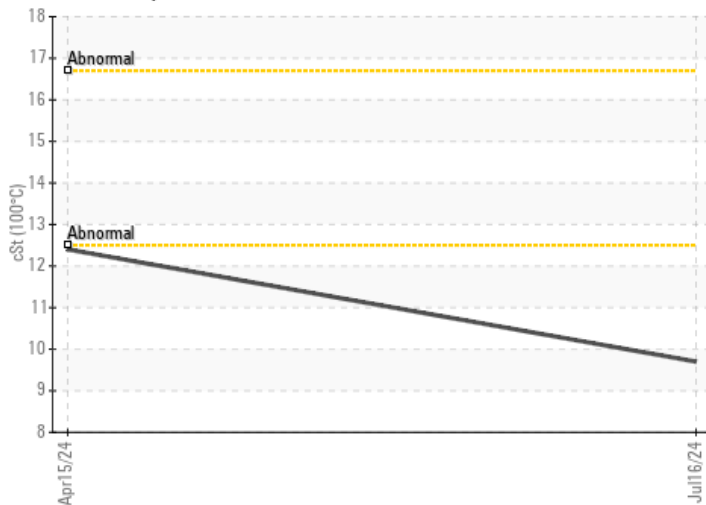
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 100°C



### Base Number

