



# CONSTRUCTION EQUIPMENT

## 9676 VOLVO EC350E 314521 - DIESEL ENGINE



**Sample No:** VCP413794  
**Oil Type:** CHEVRON 15W40  
**Job No:** 9676



### SAMPLE INFORMATION

Sample Number	<b>VCP413794</b>	VCP419484	VCP405213	---
Sample Date	<b>19 Oct 2023</b>	18 May 2023	09 Mar 2023	---
Machine Hours	<b>2322</b>	1133	561	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>ATTENTION</b>	ATTENTION	ABNORMAL	---

### RECYCLE 1

4700 LAWRENCE ST  
 HYATTSVILLE, MD  
 US 20781

Contact: MIKE DESJARDINS  
 mdesjarkins@wbwaste.com

T:  
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### OIL CONDITION

Visc @ 100°C	cSt	<b>▲ 11.6</b>	▲ 12.0	▲ 10.0	---
Base Number (BN)	mg KOH/g	<b>■ 5.2</b>	■ 5.9	■ 5.1	---
Oxidation (PA)	%	<b>47</b>	71	69	---

### Diagnosis

Oil and filter change at the time of sampling has been noted. 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

Soot %	%	<b>■ 0.1</b>	■ 0.1	■ 0.1	---
Nitration (PA)	%	<b>54</b>	64	76	---
Sulfation (PA)	%	<b>55</b>	63	59	---
Glycol	%	<b>NEG</b>	NEG	NEG	---
Fuel	%	<b>&lt;1.0</b>	<1.0	■ 0.8	---
Silicon	ppm	<b>■ 13</b>	■ 13	■ 32	---
Sodium	ppm	<b>■ 4</b>	■ 2	■ 2	---
Potassium	ppm	<b>■ 0</b>	■ 3	■ 3	---



### WEAR METALS

Iron	ppm	<b>■ 5</b>	■ 6	■ 11	---
Copper	ppm	<b>■ 10</b>	■ 21	▲ 100	---
Lead	ppm	<b>■ 0</b>	■ 1	■ 2	---
Tin	ppm	<b>■ &lt;1</b>	■ 1	■ 2	---
Aluminum	ppm	<b>■ &lt;1</b>	■ 0	■ 3	---
Chromium	ppm	<b>■ 0</b>	■ 0	■ <1	---
Molybdenum	ppm	<b>■ 10</b>	■ 88	■ 82	---
Nickel	ppm	<b>■ 0</b>	■ 0	■ <1	---
Titanium	ppm	<b>0</b>	<1	0	---
Silver	ppm	<b>■ 0</b>	■ 0	■ 0	---
Manganese	ppm	<b>■ &lt;1</b>	■ <1	■ 3	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>■ 2232</b>	■ 1616	■ 2150	---
Magnesium	ppm	<b>■ 75</b>	■ 409	13	---
Zinc	ppm	<b>■ 1091</b>	■ 1284	■ 1106	---
Phosphorus	ppm	<b>■ 789</b>	■ 984	■ 888	---
Barium	ppm	<b>■ 0</b>	■ 0	■ 0	---
Boron	ppm	<b>■ 13</b>	■ 289	■ 32	---

**Depot:** RECHYA  
**Unique No:** 10711609  
**Signed:** Don Baldrige  
**Report Date:** 27 Oct 2023



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## GRAPHS

