



# CONSTRUCTION EQUIPMENT

## 9633 LENNHOFFS VOLVO EC250E 314006 - DIESEL ENGINE



**Sample No:** VCP413771  
**Oil Type:** CHEVRON 15W40  
**Job No:** 9633 LENNHOFFS



### SAMPLE INFORMATION

Sample Number	<b>VCP413771</b>	VCP324891	VCP290612	VCP268570
Sample Date	<b>13 Sep 2023</b>	14 Jun 2021	16 Dec 2020	16 Apr 2020
Machine Hours	<b>2515</b>	1507	1116	508
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**MCCLUNG-LOGAN EQUIPMENT CO INC MAIN**  
 4601 WASHINGTON BOULEVARD  
 BALTIMORE, MD  
 US 21227  
 Contact: MARK CIULLA  
 mciulla@mcclung-logan.com  
 T: (410)242-6500  
 F: (410)242-7835



### OIL CONDITION

Visc @ 100°C	cSt	<b>12.8</b>	13.7	13.3	12.8
Base Number (BN)	mg KOH/g	<b>9.9</b>	---	---	---
Oxidation (PA)	%	<b>80</b>	77	78	51

### 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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



### CONTAMINATION

Soot %	%	<b>0.2</b>	0.1	0.2	0.1
Nitration (PA)	%	<b>59</b>	75	66	48
Sulfation (PA)	%	<b>60</b>	59	61	48
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>9</b>	7	8	16
Sodium	ppm	<b>2</b>	3	3	4
Potassium	ppm	<b>5</b>	4	8	12



### WEAR METALS

Iron	ppm	<b>12</b>	10	11	13
Copper	ppm	<b>3</b>	4	5	9
Lead	ppm	<b>&lt;1</b>	<1	<1	2
Tin	ppm	<b>1</b>	<1	2	0
Aluminum	ppm	<b>8</b>	6	7	6
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>41</b>	50	30	7
Nickel	ppm	<b>1</b>	<1	2	6
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	<1	<1	<1
Manganese	ppm	<b>&lt;1</b>	<1	<1	2
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>1603</b>	1279	1640	2180
Magnesium	ppm	<b>517</b>	758	524	293
Zinc	ppm	<b>1109</b>	891	948	1195
Phosphorus	ppm	<b>914</b>	750	773	1018
Barium	ppm	<b>0</b>	0	0	<1
Boron	ppm	<b>43</b>	43	51	11

**Depot:** VOLVO0150  
**Unique No:** 10657349  
**Signed:** Wes Davis  
**Report Date:** 21 Sep 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

