



# CONSTRUCTION EQUIPMENT

## 9286 VOLVO L110H 632191 - DIESEL ENGINE



**Sample No:** VCP367862  
**Oil Type:** CHEVRON 15W40  
**Job No:** 9286



### SAMPLE INFORMATION

Sample Number	<b>VCP367862</b>	VCP383736	---	---
Sample Date	<b>17 Jul 2023</b>	07 Nov 2022	---	---
Machine Hours	<b>2117</b>	843	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>Changed</b>	Changed	---	---
Sample Status	<b>ABNORMAL</b>	ABNORMAL	---	---

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### OIL CONDITION

Visc @ 100°C	cSt	<b>13.3</b>	12.6	---	---
Base Number (BN)	mg KOH/g	<b>7.5</b>	10.3	---	---
Oxidation (PA)	%	<b>70</b>	82	---	---

Diagnosis



### CONTAMINATION

Soot %	%	<b>0.3</b>	0.2	---	---
Nitration (PA)	%	<b>70</b>	65	---	---
Sulfation (PA)	%	<b>62</b>	66	---	---
Glycol	%	<b>NEG</b>	NEG	---	---
Fuel	%	<b>&lt;1.0</b>	<1.0	---	---
Silicon	ppm	<b>9</b>	24	---	---
Sodium	ppm	<b>2</b>	4	---	---
Potassium	ppm	<b>&lt;1</b>	1	---	---



### WEAR METALS

Iron	ppm	<b>20</b>	27	---	---
Copper	ppm	<b>15</b>	18	---	---
Lead	ppm	<b>3</b>	5	---	---
Tin	ppm	<b>2</b>	3	---	---
Aluminum	ppm	<b>▲ 11</b>	▲ 47	---	---
Chromium	ppm	<b>2</b>	5	---	---
Molybdenum	ppm	<b>89</b>	40	---	---
Nickel	ppm	<b>&lt;1</b>	0	---	---
Titanium	ppm	<b>&lt;1</b>	<1	---	---
Silver	ppm	<b>&lt;1</b>	1	---	---
Manganese	ppm	<b>&lt;1</b>	2	---	---
Vanadium	ppm	<b>&lt;1</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>1532</b>	1571	---	---
Magnesium	ppm	<b>499</b>	616	---	---
Zinc	ppm	<b>1198</b>	1093	---	---
Phosphorus	ppm	<b>976</b>	942	---	---
Barium	ppm	<b>0</b>	5	---	---
Boron	ppm	<b>285</b>	49	---	---

**Depot:** PLECLA  
**Unique No:** 10573007  
**Signed:** Sean Felton  
**Report Date:** 27 Jul 2023



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## GRAPHS

