



# CONSTRUCTION EQUIPMENT

9607 LENNHOFFS VOLVO L90H 626130 - DIESEL ENGINE



**Sample No:** VCP413842  
**Oil Type:** CHEVRON 15W40  
**Job No:** 9607 LENNHOFFS



## SAMPLE INFORMATION

Sample Number	VCP413842	VCP392760	---	---
Sample Date	13 Sep 2023	27 Feb 2023	---	---
Machine Hours	1078	476	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	SEVERE	NORMAL	---	---

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## OIL CONDITION

Visc @ 100°C	cSt	▲ 11.2	■ 12.8	---	---
Base Number (BN)	mg KOH/g	■ 6.4	■ 9.9	---	---
Oxidation (PA)	%	65	76	---	---



## CONTAMINATION

Soot %	%	■ 0.3	■ 0.2	---	---
Nitration (PA)	%	69	73	---	---
Sulfation (PA)	%	59	59	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	● 12.9	<1.0	---	---
Silicon	ppm	■ 22	■ 23	---	---
Sodium	ppm	■ 2	■ 4	---	---
Potassium	ppm	■ 2	■ 4	---	---



## WEAR METALS

Iron	ppm	■ 73	■ 172	---	---
Copper	ppm	■ 4	■ 10	---	---
Lead	ppm	■ <1	■ <1	---	---
Tin	ppm	■ 1	■ 2	---	---
Aluminum	ppm	■ 4	■ 8	---	---
Chromium	ppm	■ 4	■ 7	---	---
Molybdenum	ppm	■ 82	■ 81	---	---
Nickel	ppm	■ <1	■ 0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	■ 0	■ 0	---	---
Manganese	ppm	■ 2	■ 7	---	---
Vanadium	ppm	0	0	---	---



## ADDITIVES

Calcium	ppm	■ 1281	■ 1843	---	---
Magnesium	ppm	■ 413	■ 733	---	---
Zinc	ppm	■ 1070	■ 1238	---	---
Phosphorus	ppm	■ 881	■ 1050	---	---
Barium	ppm	■ 0	■ 3	---	---
Boron	ppm	■ 228	■ 93	---	---

## Diagnosis

We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

**Depot:** VOLV00150  
**Unique No:** 10657350  
**Signed:** Doug Bogart  
**Report Date:** 21 Sep 2023



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## GRAPHS

