



# CONSTRUCTION EQUIPMENT

## VOLVO L70E 67918 - DIESEL ENGINE



**Sample No:** VCP0007364

**Oil Type:** NOT GIVEN

**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP0007364	---	---	---
Sample Date	25 Sep 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---



### ALTA EQUIPMENT COMPANY

8750 PHILIPS HWY  
JACKSONVILLE, FL  
US 32256

Contact: SHAWN NORTHCRAFT  
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### OIL CONDITION

Visc @ 100°C	cSt	▲ 11.5	---	---	---
Base Number (BN)	mg KOH/g	■ 7.5	---	---	---
Oxidation (PA)	%	95	---	---	---



### CONTAMINATION

Soot %	%	■ 0.6	---	---	---
Nitration (PA)	%	89	---	---	---
Sulfation (PA)	%	63	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 8.0	---	---	---
Silicon	ppm	■ 6	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 4	---	---	---



### WEAR METALS

Iron	ppm	■ 17	---	---	---
Copper	ppm	■ 6	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 9	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ 55	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	■ 1154	---	---	---
Magnesium	ppm	■ 889	---	---	---
Zinc	ppm	■ 1231	---	---	---
Phosphorus	ppm	■ 996	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 5	---	---	---

### Diagnosis

We advise that you check the fuel injection system. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate 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:** VOLVO0092  
**Unique No:** 10670540  
**Signed:** Jonathan Hester  
**Report Date:** 02 Oct 2023



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## GRAPHS

