



# CONSTRUCTION EQUIPMENT

## VOLVO NOT GIVEN 310908 - DIESEL ENGINE



**Sample No:** VCP402839D  
**Oil Type:** VOLVO 40W140  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP402839D	---	---	---
Sample Date	16 Sep 2023	---	---	---
Machine Hours	6553	---	---	---
Oil Hours	6553	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**ALTA EQUIPMENT COMPANY**  
 5151 DR MARTIN LUTHER KING BLVD  
 FORT MYERS, FL  
 US 33905  
 Contact: TODD LARK  
 tlark@altaequipfl.com  
 T:  
 F: (239)481-3302



### OIL CONDITION

Visc @ 100°C	cSt	█ 15.7	---	---	---
Base Number (BN)	mg KOH/g	█ 5.4	---	---	---
Oxidation (PA)	%	129	---	---	---

### Diagnosis

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



### CONTAMINATION

Soot %	%	█ 0.7	---	---	---
Nitration (PA)	%	118	---	---	---
Sulfation (PA)	%	87	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 23	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 2	---	---	---



### WEAR METALS

Iron	ppm	█ 59	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 20	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 84	---	---	---
Nickel	ppm	█ 4	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	█ 2018	---	---	---
Magnesium	ppm	█ 528	---	---	---
Zinc	ppm	█ 1457	---	---	---
Phosphorus	ppm	█ 1111	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 23	---	---	---

**Depot:** VOLVO0090  
**Unique No:** 10657328  
**Signed:** Doug Bogart  
**Report Date:** 21 Sep 2023



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## GRAPHS

