



# CONSTRUCTION EQUIPMENT

S50100976 BOBCAT XHP750WCAT 412634VCHDS3 - DIESEL ENGINE



**Sample No:** VCP436935  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** S50100976



## SAMPLE INFORMATION

Sample Number	VCP436935	---	---	---
Sample Date	13 May 2024	---	---	---
Machine Hours	2	---	---	---
Oil Hours	2	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ATTENTION	---	---	---

**VCES- VOLVO CONSTRUCTION EQUIPMENT**  
12345 MAPLEVIEW STREET  
LAKESIDE, CA  
US 92040  
Contact: Mark Stewart  
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T: X  
F: X



## OIL CONDITION

Visc @ 100°C	cSt	● 10.7	---	---	---
Base Number (BN)	mg KOH/g	■ 11.7	---	---	---
Oxidation (PA)	%	48	---	---	---

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	43	---	---	---
Sulfation (PA)	%	40	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.4	---	---	---
Silicon	ppm	■ 6	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 4	---	---	---



## WEAR METALS

Iron	ppm	■ 4	---	---	---
Copper	ppm	■ 12	---	---	---
Lead	ppm	■ 5	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 2	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ <1	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	■ 2443	---	---	---
Magnesium	ppm	■ 271	---	---	---
Zinc	ppm	■ 1358	---	---	---
Phosphorus	ppm	■ 1160	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 0	---	---	---

**Depot:** VOLVO4488  
**Unique No:** 11042542  
**Signed:** Don Baldrige  
**Report Date:** 24 May 2024

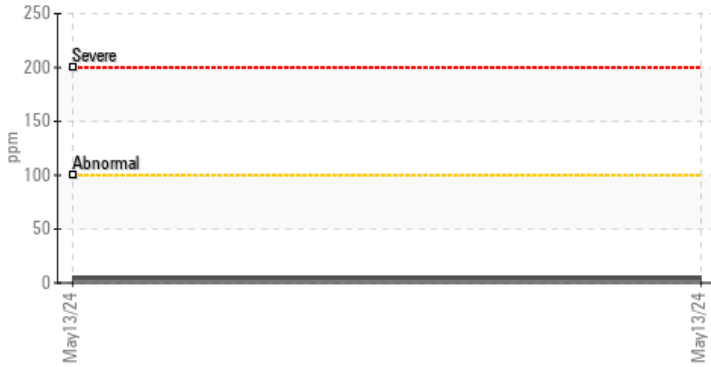


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## GRAPHS

### Iron (ppm)



### Lead (ppm)



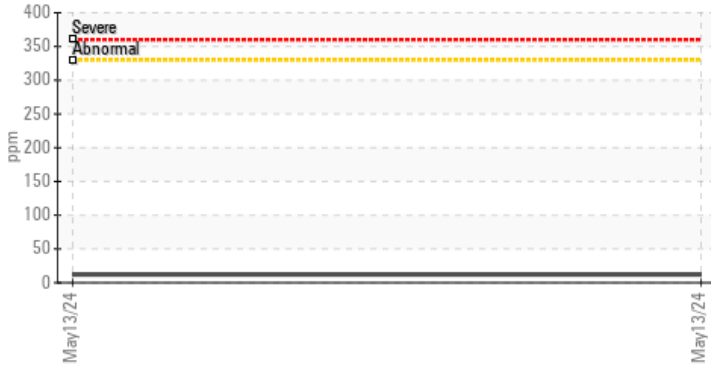
### Aluminum (ppm)



### Chromium (ppm)



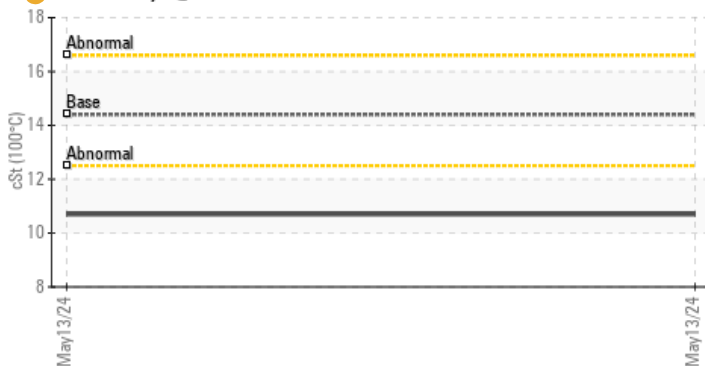
### Copper (ppm)



### Silicon (ppm)



### ● Viscosity @ 100°C



### Base Number

