



# CONSTRUCTION EQUIPMENT

921 HERC RENTALS VOLVO L70H 625 191 - DIESEL ENGINE



**Sample No:** VCP438094  
**Oil Type:** MOBIL 15W40  
**Job No:** 921 HERC RENTALS



## SAMPLE INFORMATION

Sample Number	VCP438094	---	---	---
Sample Date	17 Apr 2024	---	---	---
Machine Hours	466	---	---	---
Oil Hours	466	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**VCES- VOLVO CONSTRUCTION EQUIPMENT**  
12345 MAPLEVIEW STREET  
LAKESIDE, CA  
US 92040  
Contact: Mark Stewart  
mark.stewart@vcesvolvo.com  
T: X  
F: X



## OIL CONDITION

Visc @ 100°C	cSt	█ 12.3	---	---	---
Base Number (BN)	mg KOH/g	█ 9.4	---	---	---
Oxidation (PA)	%	76	---	---	---

## Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a components first oil change. 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

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	63	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 19	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ <1	---	---	---



## WEAR METALS

Iron	ppm	█ 22	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 21	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 48	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 4	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 1778	---	---	---
Magnesium	ppm	█ 638	---	---	---
Zinc	ppm	█ 1254	---	---	---
Phosphorus	ppm	█ 1052	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 60	---	---	---

**Depot:** VOLVO4488  
**Unique No:** 10994121  
**Signed:** Wes Davis  
**Report Date:** 25 Apr 2024

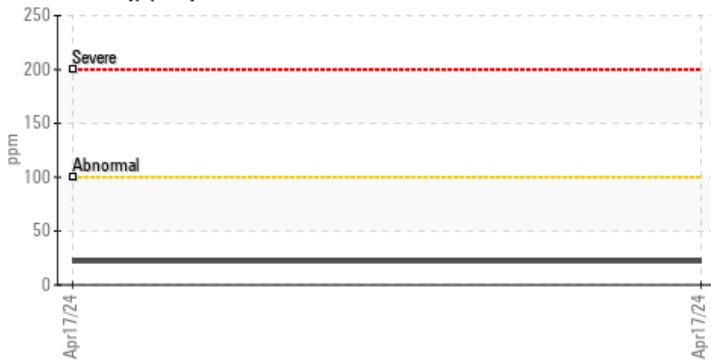


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## GRAPHS

### Iron (ppm)



### Lead (ppm)



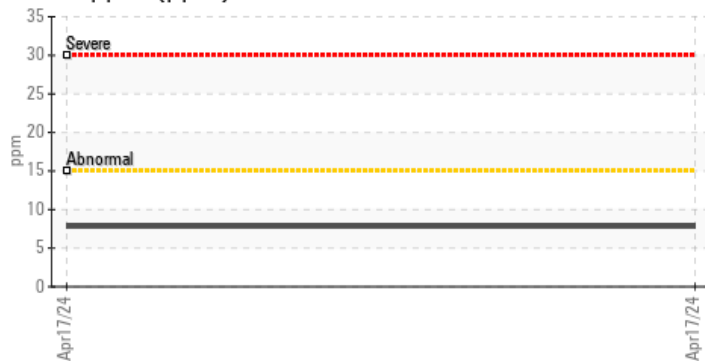
### Aluminum (ppm)



### Chromium (ppm)



### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Base Number

