



# CONSTRUCTION EQUIPMENT

G08594 VOLVO L70H 624493 - DIESEL ENGINE



**Sample No:** VCP438319  
**Oil Type:** DIESEL ENGINE OIL SAE 40  
**Job No:** G08594



**HOFFMAN EQUIPMENT - DEPTFORD**  
 1330 HURFFVILLE ROAD  
 DEPTFORD, NJ  
 US 08096  
 Contact: TAMMY SANDORA  
 tammy.sandora@hoffmanequip.com  
 T: (856)227-6400  
 F: (856)227-0046



## SAMPLE INFORMATION

Sample Number	VCP438319	---	---	---
Sample Date	18 Apr 2024	---	---	---
Machine Hours	1759	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---



## OIL CONDITION

Visc @ 100°C	cSt	█ 14.3	---	---	---
Base Number (BN)	mg KOH/g	█ 10.1	---	---	---
Oxidation (PA)	%	52	---	---	---



## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	39	---	---	---
Sulfation (PA)	%	48	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 0	---	---	---



## WEAR METALS

Iron	ppm	█ 13	---	---	---
Copper	ppm	█ 0	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 60	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 1042	---	---	---
Magnesium	ppm	█ 902	---	---	---
Zinc	ppm	█ 1187	---	---	---
Phosphorus	ppm	█ 1019	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 8	---	---	---

## Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.  
 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.

**Depot:** VOLVO8880  
**Unique No:** 10992762  
**Signed:** Wes Davis  
**Report Date:** 24 Apr 2024

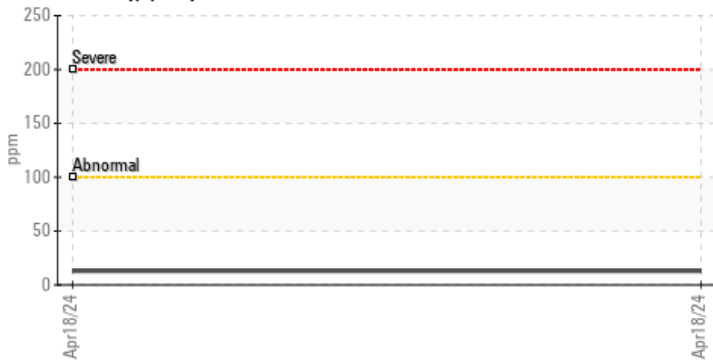


# CONSTRUCTION EQUIPMENT



## GRAPHS

### Iron (ppm)



### Lead (ppm)



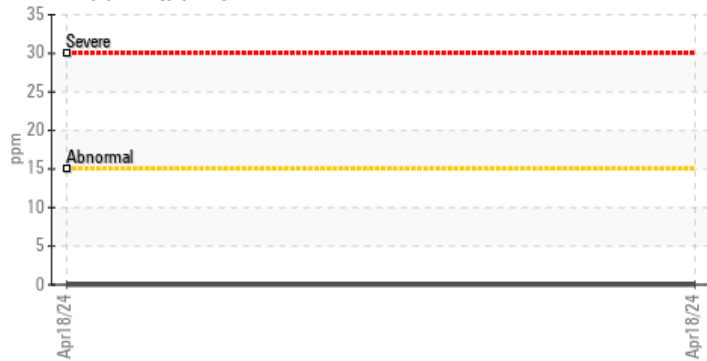
### Aluminum (ppm)



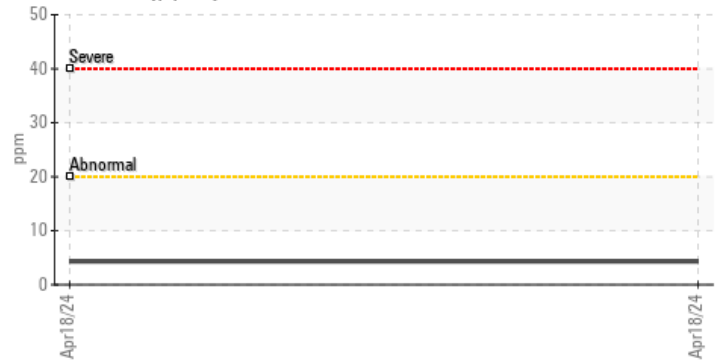
### Chromium (ppm)



### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Base Number

