



# CONSTRUCTION EQUIPMENT

G08817 US SILICA VOLVO L180H 5460 - DIESEL ENGINE



**Sample No:** VCP453614  
**Oil Type:** {unknown}  
**Job No:** G08817 US SILICA



## SAMPLE INFORMATION

Sample Number	VCP453614	---	---	---
Sample Date	23 May 2024	---	---	---
Machine Hours	10569	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

**HOFFMAN EQUIPMENT - DEPTFORD**  
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## OIL CONDITION

Visc @ 100°C	cSt	█ 12.0	---	---	---
Base Number (BN)	mg KOH/g	█ 4.7	---	---	---
Oxidation (PA)	%	51	---	---	---



## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	72	---	---	---
Sulfation (PA)	%	65	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 4	---	---	---



## WEAR METALS

Iron	ppm	█ 7	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 5	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	6	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 2129	---	---	---
Magnesium	ppm	█ 190	---	---	---
Zinc	ppm	█ 1112	---	---	---
Phosphorus	ppm	█ 961	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 5	---	---	---

## Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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:** 11059516  
**Signed:** Jonathan Hester  
**Report Date:** 11 Jun 2024

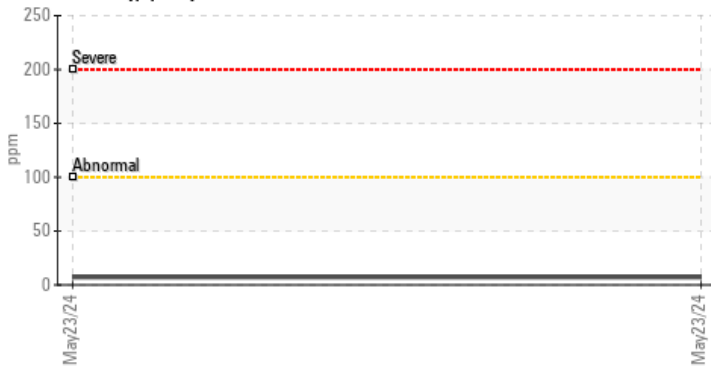


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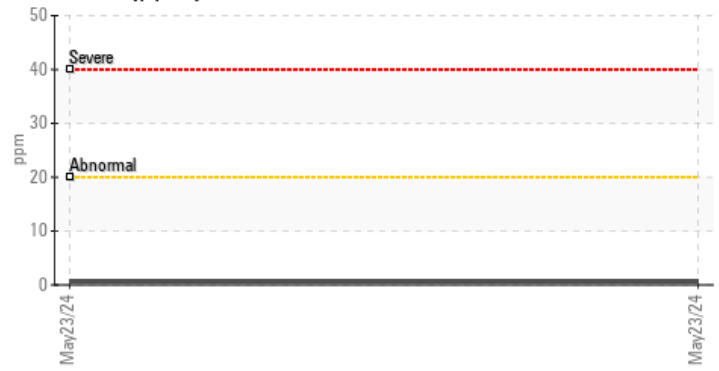


## GRAPHS

### Iron (ppm)



### Lead (ppm)



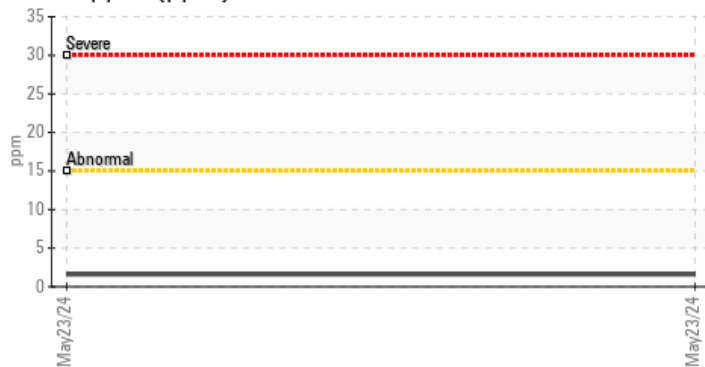
### Aluminum (ppm)



### Chromium (ppm)



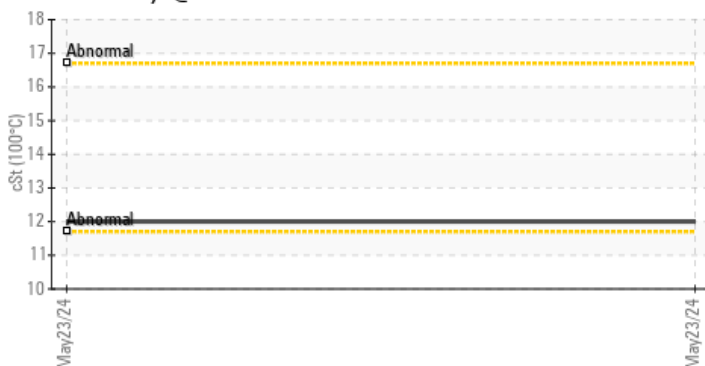
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Base Number

