



# CONSTRUCTION EQUIPMENT

224904 BASEMENT WM VOLVO L70H 622549 - DIESEL ENGINE



**Sample No:** VCP403241  
**Oil Type:** NOT GIVEN  
**Job No:** 224904 BASEMENT WM



## SAMPLE INFORMATION

Sample Number	VCP403241	---	---	---
Sample Date	30 Jun 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---



### PACWEST MACHINERY

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## OIL CONDITION

Visc @ 100°C	cSt	▲ 10.9	---	---	---
Base Number (BN)	mg KOH/g	■ 7.4	---	---	---
Oxidation (PA)	%	55	---	---	---



## CONTAMINATION

Soot %	%	■ 1.3	---	---	---
Nitration (PA)	%	83	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	● 14.7	---	---	---
Silicon	ppm	■ 6	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ <1	---	---	---



## WEAR METALS

Iron	ppm	■ 23	---	---	---
Copper	ppm	■ 1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 25	---	---	---
Chromium	ppm	■ 3	---	---	---
Molybdenum	ppm	■ 14	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	■ 1581	---	---	---
Magnesium	ppm	■ 257	---	---	---
Zinc	ppm	■ 895	---	---	---
Phosphorus	ppm	737	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 17	---	---	---

## Diagnosis

We advise that you check the fuel injection system. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

**Depot:** VOLVO1271  
**Unique No:** 10551684  
**Signed:** Doug Bogart  
**Report Date:** 13 Jul 2023

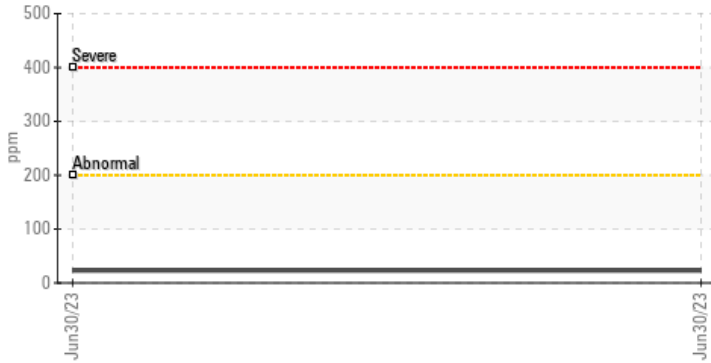


# CONSTRUCTION EQUIPMENT



## GRAPHS

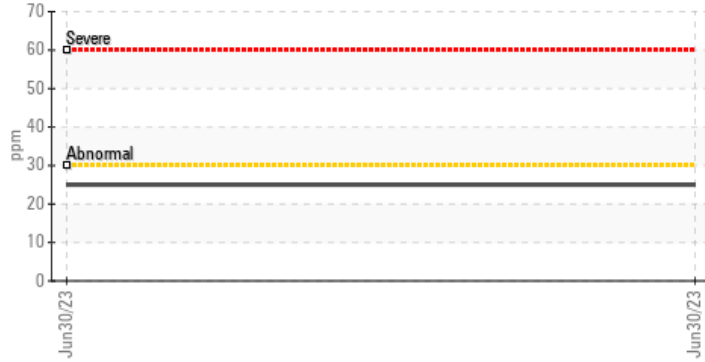
### Iron (ppm)



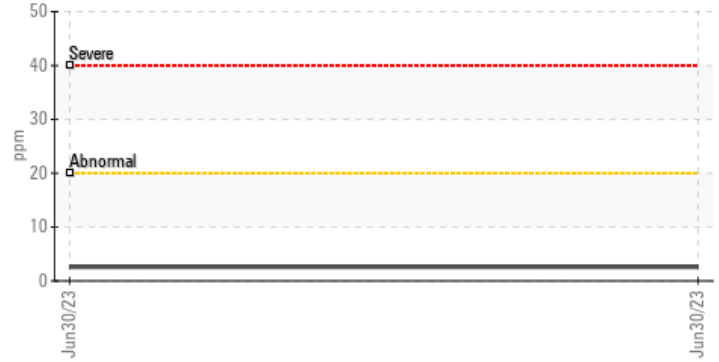
### Lead (ppm)



### Aluminum (ppm)



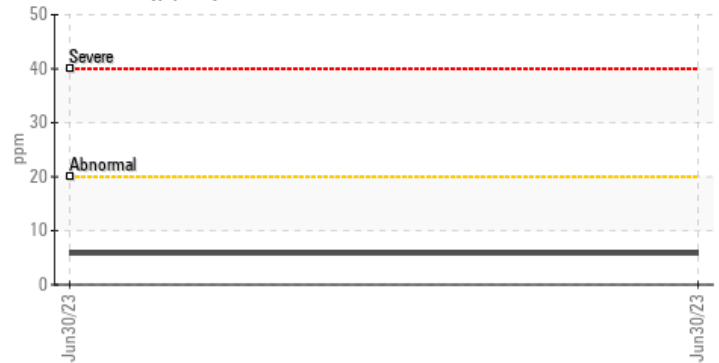
### Chromium (ppm)



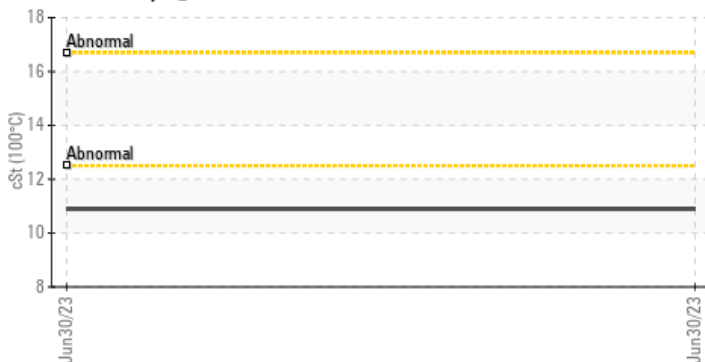
### Copper (ppm)



### Silicon (ppm)



### ▲ Viscosity @ 100°C



### Base Number

