



# CONSTRUCTION EQUIPMENT

## S0403980 FORCE DEMO VOLVO EC480EHR 391020 - DIESEL ENGINE



**Sample No:** VCP455313  
**Oil Type:** {unknown}  
**Job No:** S0403980 FORCE DEMO



### SAMPLE INFORMATION

Sample Number	VCP455313	---	---	---
Sample Date	01 Jul 2024	---	---	---
Machine Hours	1910	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

**VCES- VOLVO CONSTRUCTION EQUIPMENT**  
 22099 KNABE ROAD  
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 US 92883  
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### OIL CONDITION

Visc @ 100°C	cSt	12.1	---	---	---
Base Number (BN)	mg KOH/g	10.0	---	---	---
Oxidation (PA)	%	83	---	---	---

### 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. Fuel content negligible. 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	---	---	---
Nitration (PA)	%	55	---	---	---
Sulfation (PA)	%	62	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	0.6	---	---	---
Silicon	ppm	6	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	0	---	---	---



### WEAR METALS

Iron	ppm	3	---	---	---
Copper	ppm	<1	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	38	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	1685	---	---	---
Magnesium	ppm	525	---	---	---
Zinc	ppm	1148	---	---	---
Phosphorus	ppm	1006	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	53	---	---	---

**Depot:** VOLVO4486  
**Unique No:** 11110628  
**Signed:** Jonathan Hester  
**Report Date:** 08 Jul 2024



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## GRAPHS

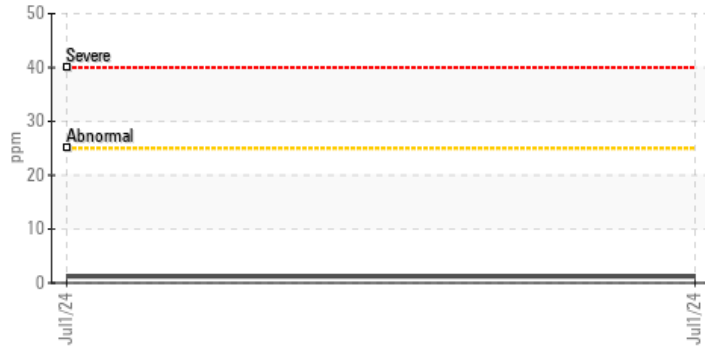
### Iron (ppm)



### Lead (ppm)



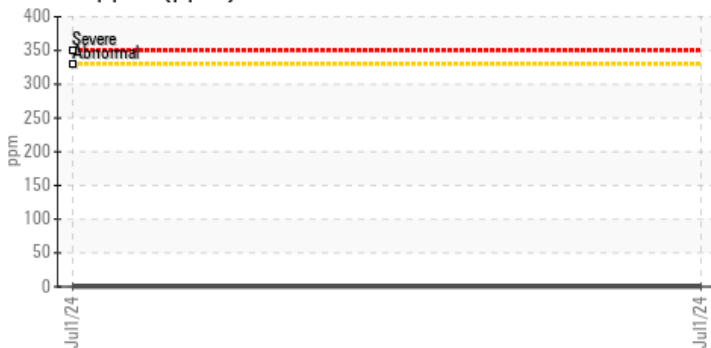
### Aluminum (ppm)



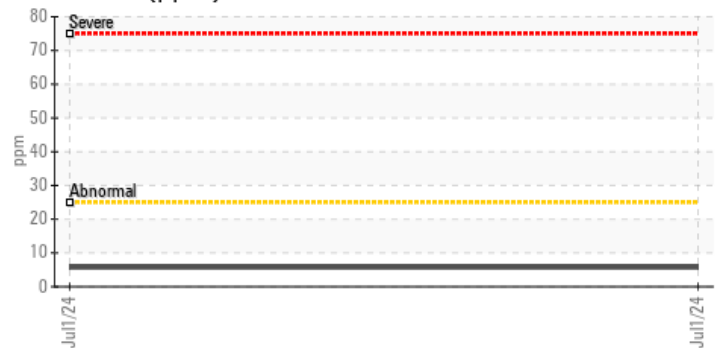
### Chromium (ppm)



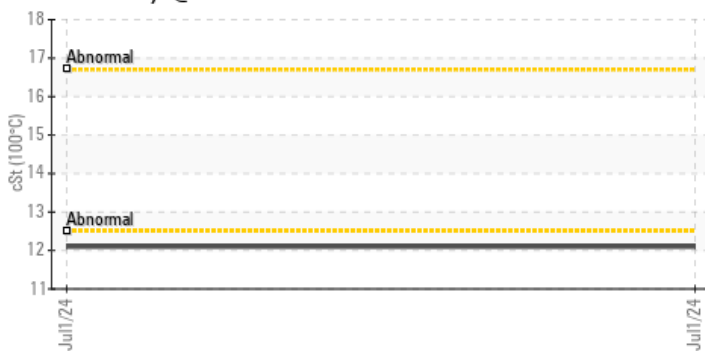
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Base Number

