



# CONSTRUCTION EQUIPMENT

## 515 VOLVO L120H 632615 - DIESEL ENGINE



**Sample No:** VCP433220  
**Oil Type:** {unknown}  
**Job No:** 515



### SAMPLE INFORMATION

Sample Number	VCP433220	---	---	---
Sample Date	17 Apr 2024	---	---	---
Machine Hours	6757	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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### OIL CONDITION

Visc @ 100°C	cSt	█ 13.4	---	---	---
Base Number (BN)	mg KOH/g	█ 7.5	---	---	---
Oxidation (PA)	%	82	---	---	---

### Diagnosis

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. The aluminum level is abnormal. The copper level is abnormal. Elemental level of silicon (Si) above normal indicating ingress of seal material. 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 %	%	█ 0.9	---	---	---
Nitration (PA)	%	78	---	---	---
Sulfation (PA)	%	63	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	▲ 39	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ <1	---	---	---



### WEAR METALS

Iron	ppm	█ 71	---	---	---
Copper	ppm	▲ 46	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ 5	---	---	---
Aluminum	ppm	▲ 56	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	█ 44	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 1	---	---	---
Manganese	ppm	3	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	█ 1514	---	---	---
Magnesium	ppm	█ 742	---	---	---
Zinc	ppm	█ 1218	---	---	---
Phosphorus	ppm	█ 1042	---	---	---
Barium	ppm	█ 10	---	---	---
Boron	ppm	█ 28	---	---	---

**Depot:** VOLVO8529  
**Unique No:** 10992764  
**Signed:** Jonathan Hester  
**Report Date:** 25 Apr 2024

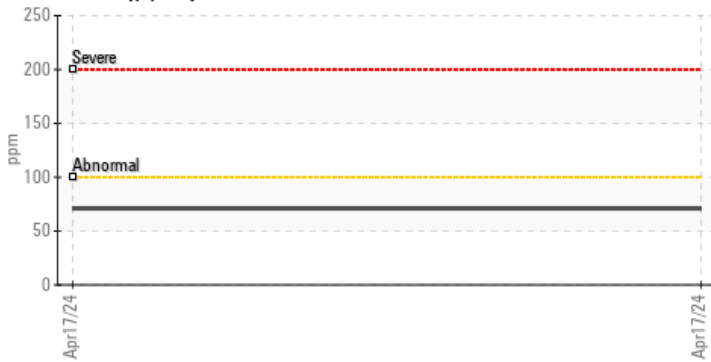


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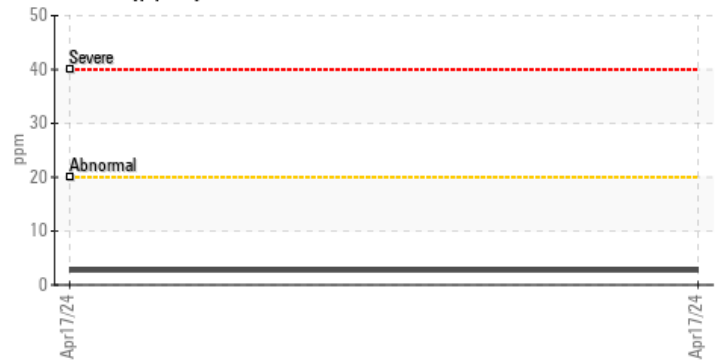


## GRAPHS

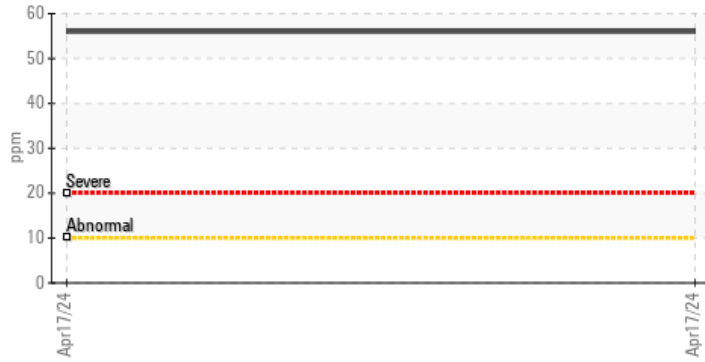
### Iron (ppm)



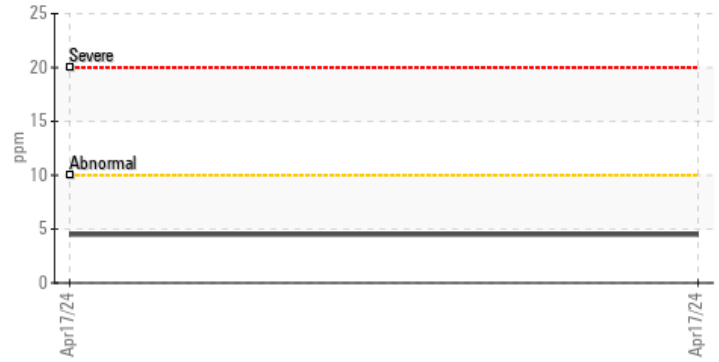
### Lead (ppm)



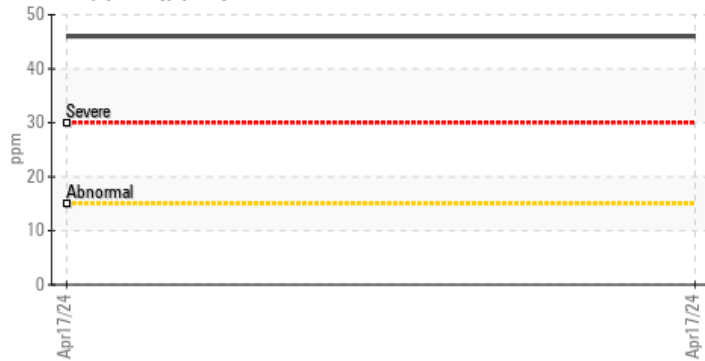
### Aluminum (ppm)



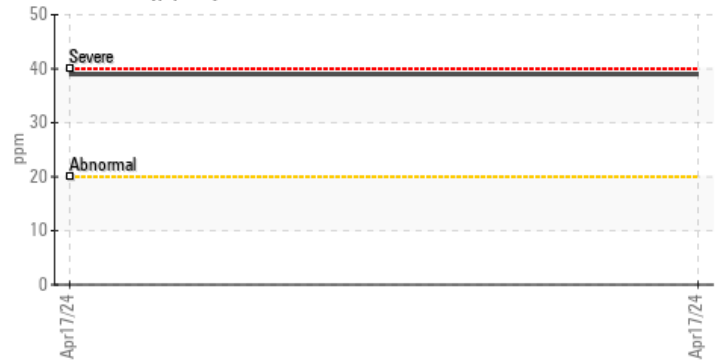
### Chromium (ppm)



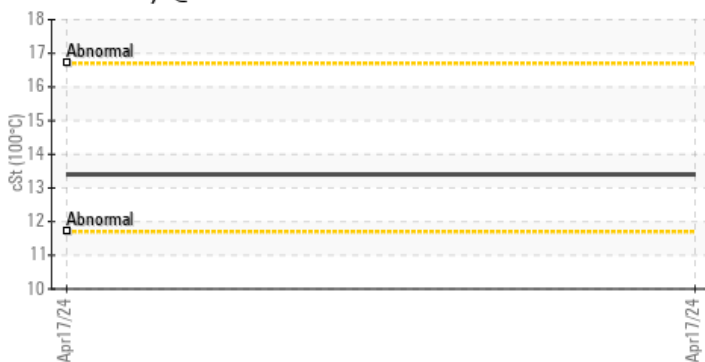
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Base Number

