



# CONSTRUCTION EQUIPMENT

SW1020672-4 VOLVO EC290B 12574 - DIESEL ENGINE



**Sample No:** VCP419496  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** SW1020672-4



## SAMPLE INFORMATION

Sample Number	VCP419496	---	---	---
Sample Date	02 Aug 2023	---	---	---
Machine Hours	5592	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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## OIL CONDITION

Visc @ 100°C	cSt	█ 14.8	---	---	---
Base Number (BN)	mg KOH/g	█ 6.5	---	---	---
Oxidation (PA)	%	86	---	---	---

## Diagnosis

Resample at the next service interval to monitor. 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.



## CONTAMINATION

Soot %	%	█ 0.7	---	---	---
Nitration (PA)	%	88	---	---	---
Sulfation (PA)	%	69	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 5	---	---	---



## WEAR METALS

Iron	ppm	█ 33	---	---	---
Copper	ppm	█ 9	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 8	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 68	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 1590	---	---	---
Magnesium	ppm	█ 598	---	---	---
Zinc	ppm	█ 1094	---	---	---
Phosphorus	ppm	█ 879	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 252	---	---	---

**Depot:** VOLVO8770  
**Unique No:** 10606498  
**Signed:** Wes Davis  
**Report Date:** 17 Aug 2023

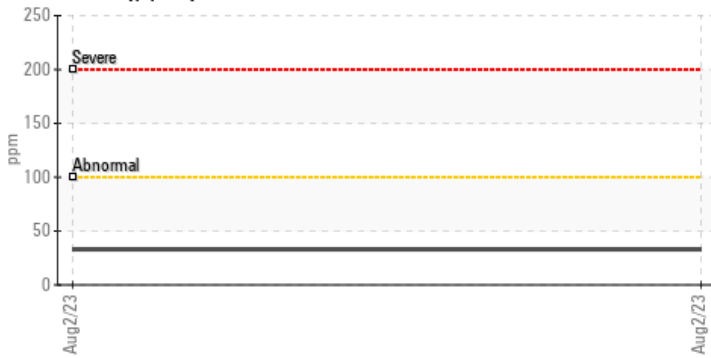


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## GRAPHS

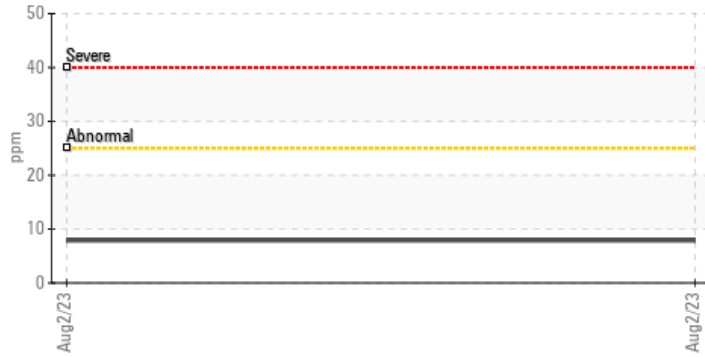
### Iron (ppm)



### Lead (ppm)



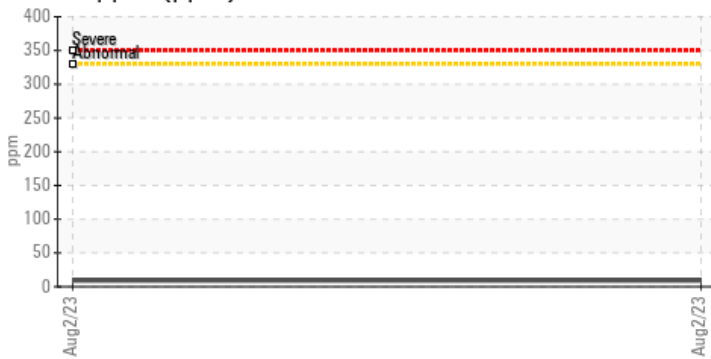
### Aluminum (ppm)



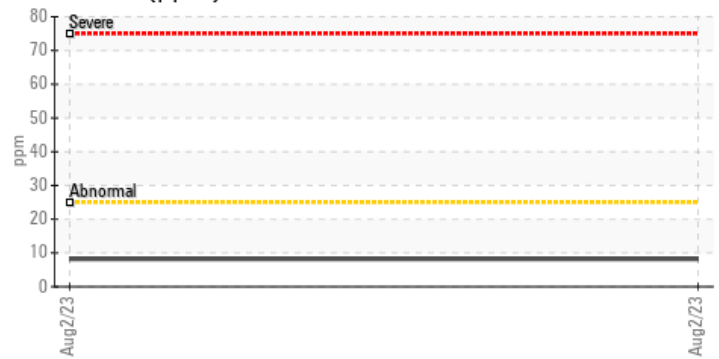
### Chromium (ppm)



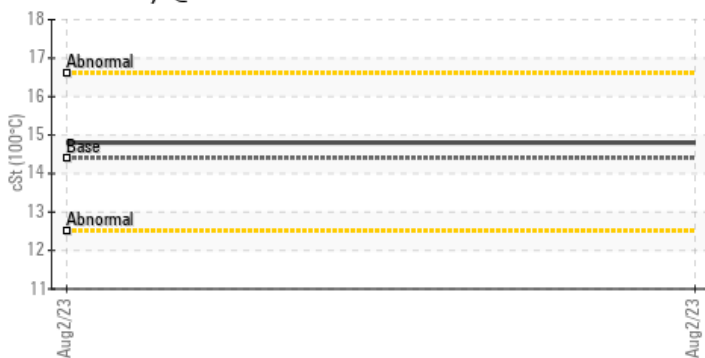
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Base Number

