



# CONSTRUCTION EQUIPMENT

## VOLVO EC750E 314061 - DIESEL ENGINE



**Sample No:** VCP449510  
**Oil Type:** DIESEL ENGINE OIL SAE 5W30  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP449510	VCP324158	---	---
Sample Date	12 Jul 2024	19 Jul 2021	---	---
Machine Hours	5484	537	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

**ALTA EQUIPMENT COMPANY**  
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### OIL CONDITION

Visc @ 100°C	cSt	█ 11.6	█ 12.8	---	---
Base Number (BN)	mg KOH/g	█ 6.1	---	---	---
Oxidation (PA)	%	57	62	---	---

### 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

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.6	█ 0.6	---	---
Nitration (PA)	%	64	68	---	---
Sulfation (PA)	%	58	63	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 4	█ 34	---	---
Sodium	ppm	█ 2	█ 2	---	---
Potassium	ppm	█ 0	█ 4	---	---



### WEAR METALS

Iron	ppm	█ 9	█ 31	---	---
Copper	ppm	█ 6	▲ 196	---	---
Lead	ppm	█ <1	█ 2	---	---
Tin	ppm	█ 0	█ 4	---	---
Aluminum	ppm	█ <1	█ 0	---	---
Chromium	ppm	█ <1	█ 2	---	---
Molybdenum	ppm	█ 42	█ 13	---	---
Nickel	ppm	█ 0	█ 4	---	---
Titanium	ppm	█ 0	<1	---	---
Silver	ppm	█ 0	0	---	---
Manganese	ppm	█ <1	█ 1	---	---
Vanadium	ppm	0	0	---	---



### ADDITIVES

Calcium	ppm	1773	█ 2267	---	---
Magnesium	ppm	█ 315	64	---	---
Zinc	ppm	█ 1096	█ 927	---	---
Phosphorus	ppm	█ 914	█ 848	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	<1	█ 6	---	---

**Depot:** VOLVO0090  
**Unique No:** 11130120  
**Signed:** Wes Davis  
**Report Date:** 20 Jul 2024

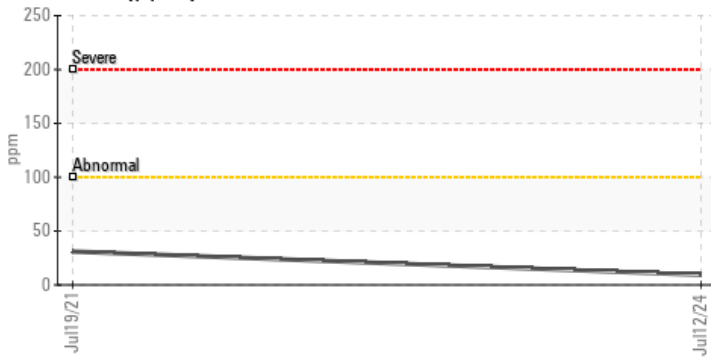


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## GRAPHS

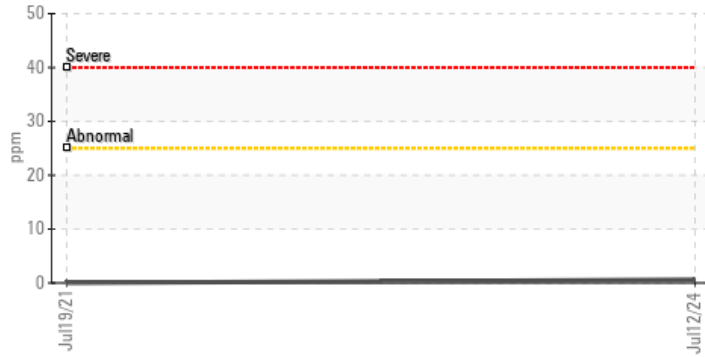
### Iron (ppm)



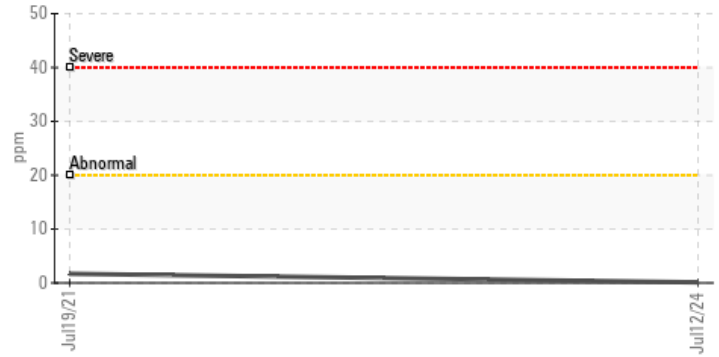
### Lead (ppm)



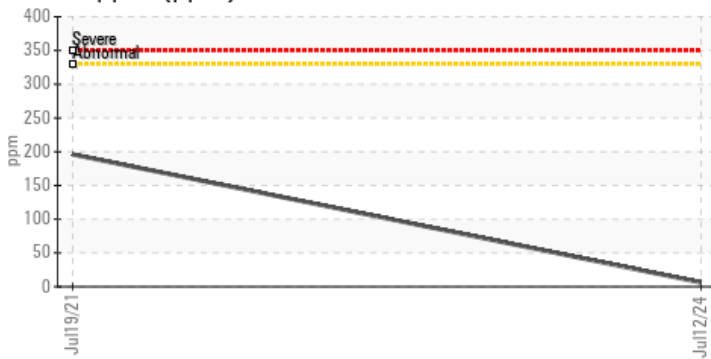
### Aluminum (ppm)



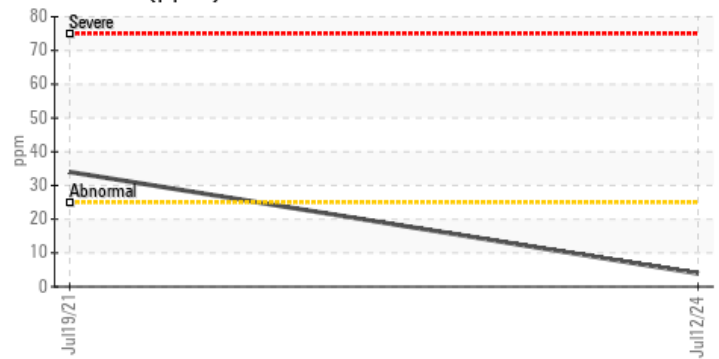
### Chromium (ppm)



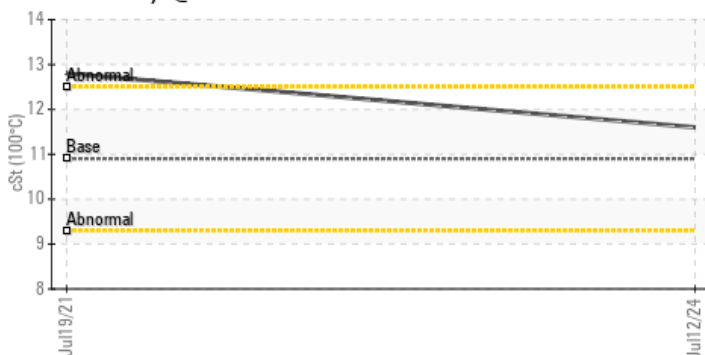
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Base Number

