



# CONSTRUCTION EQUIPMENT

187464 MJ VOLVO A45G FS 342342 - DIESEL ENGINE



Sample No: VCP348498

Oil Type: {unknown}

Job No: 187464 MJ



## SAMPLE INFORMATION

Sample Number	VCP348498	---	---	---
Sample Date	23 Apr 2024	---	---	---
Machine Hours	10047	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---



## OIL CONDITION

Visc @ 100°C	cSt	● 10.9	---	---	---
Base Number (BN)	mg KOH/g	■ 9.6	---	---	---
Oxidation (PA)	%	■ 53	---	---	---



## CONTAMINATION

Water	%	■ NEG	---	---	---
Soot %	%	■ 0.3	---	---	---
Nitration (PA)	%	■ 47	---	---	---
Sulfation (PA)	%	■ 49	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	■ 0.3	---	---	---
Silicon	ppm	■ 20	---	---	---
Sodium	ppm	■ 48	---	---	---
Potassium	ppm	■ 6	---	---	---



## WEAR METALS

Iron	ppm	■ 17	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 5	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 59	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	■ 1117	---	---	---
Magnesium	ppm	■ 981	---	---	---
Zinc	ppm	■ 1293	---	---	---
Phosphorus	ppm	■ 1076	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ <1	---	---	---



**THE GW VAN KEPPEL CO.-GARDEN CITY**  
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## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

**Depot:** VOLV00113  
**Unique No:** 11003233  
**Signed:** Jonathan Hester  
**Report Date:** 01 May 2024



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## GRAPHS

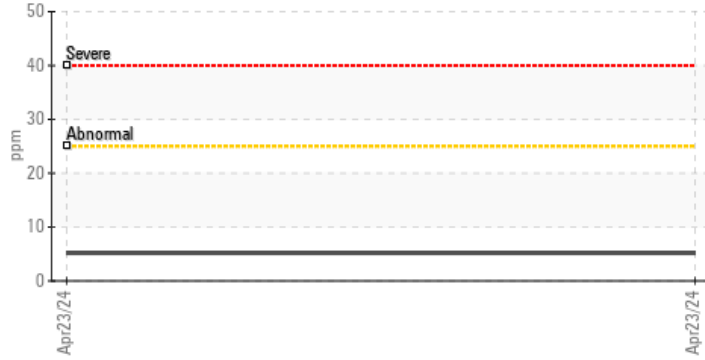
### Iron (ppm)



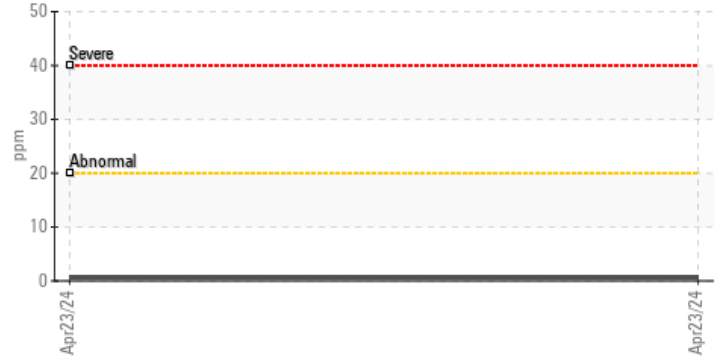
### Lead (ppm)



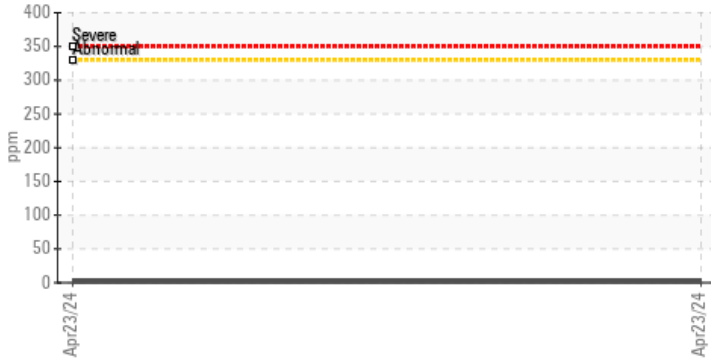
### Aluminum (ppm)



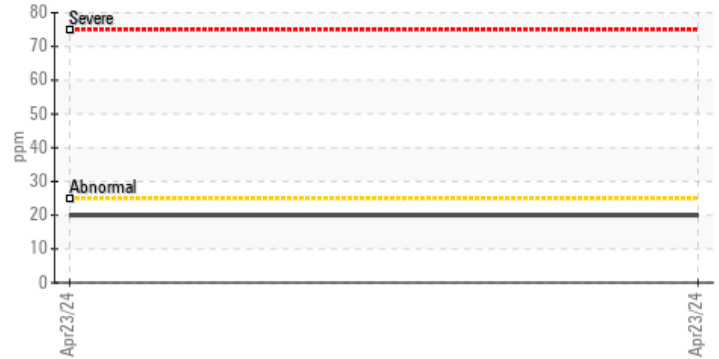
### Chromium (ppm)



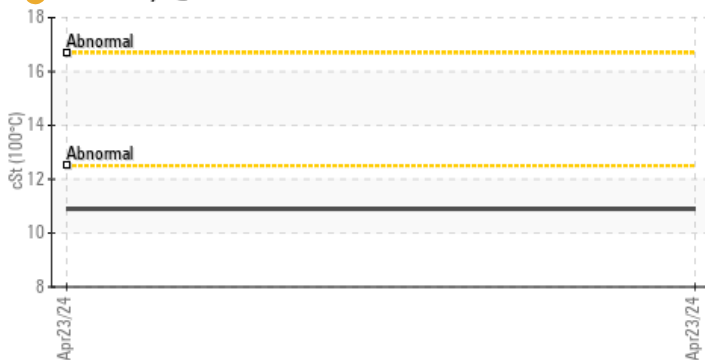
### Copper (ppm)



### Silicon (ppm)



### ● Viscosity @ 100°C



### Base Number

