



# CONSTRUCTION EQUIPMENT

W02008186 VOLVO A30D 14025 - DIESEL ENGINE



**Sample No:** ML0000433  
**Oil Type:** {unknown}  
**Job No:** W02008186



## SAMPLE INFORMATION

Sample Number	ML0000433	---	---	---
Sample Date	12 Apr 2024	---	---	---
Machine Hours	21012	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**WILLIAM HAZEL**

PO BOX 600  
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## OIL CONDITION

Visc @ 100°C	cSt	11.8	---	---	---
Base Number (BN)	mg KOH/g	9.8	---	---	---
Oxidation (PA)	%	74	---	---	---

## Diagnosis

Oil and filter change at the time of sampling has been noted. 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 acceptable for the time in service.



## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0.2	---	---	---
Nitration (PA)	%	52	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	1.2	---	---	---
Silicon	ppm	6	---	---	---
Sodium	ppm	1	---	---	---
Potassium	ppm	1	---	---	---



## WEAR METALS

Iron	ppm	5	---	---	---
Copper	ppm	1	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	42	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	1623	---	---	---
Magnesium	ppm	539	---	---	---
Zinc	ppm	902	---	---	---
Phosphorus	ppm	798	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	78	---	---	---

**Depot:** WILCHA

**Unique No:** 10979903

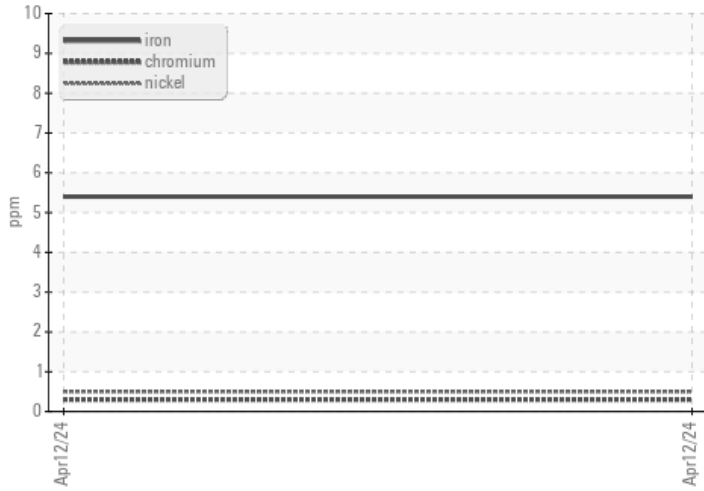
**Signed:** Jonathan Hester

**Report Date:** 22 Apr 2024

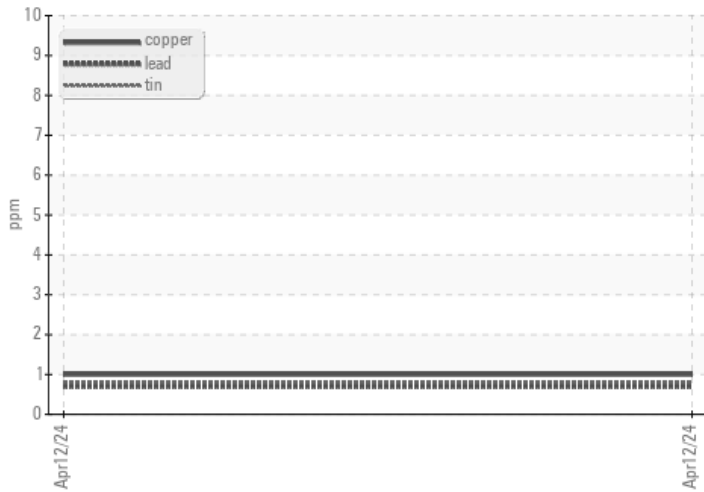


## GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 100°C



### Base Number

