



# CONSTRUCTION EQUIPMENT

## VOLVO A25G 752695 - DIESEL ENGINE



**Sample No:** VCP0008761  
**Oil Type:** DIESEL ENGINE OIL SAE 40  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP0008761</b>	VCP0008760	VCP0007915	---
Sample Date	<b>10 Jun 2024</b>	09 Jun 2024	11 Dec 2023	---
Machine Hours	<b>2005</b>	2005	0	---
Oil Hours	<b>2005</b>	2005	0	---
Oil Changed	<b>N/A</b>	N/A	N/A	---
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	---

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

Visc @ 100°C	cSt	<b>12.6</b>	12.8	10.9	---
Base Number (BN)	mg KOH/g	<b>5.7</b>	9.7	5.1	---
Oxidation (PA)	%	<b>88</b>	78	67	---



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Soot %	%	<b>0.8</b>	0.2	0.6	---
Nitration (PA)	%	<b>94</b>	50	86	---
Sulfation (PA)	%	<b>68</b>	61	63	---
Glycol	%	<b>NEG</b>	NEG	NEG	---
Fuel	%	<b>&lt;1.0</b>	<1.0	0.0	---
Silicon	ppm	<b>9</b>	4	35	---
Sodium	ppm	<b>&lt;1</b>	<1	2	---
Potassium	ppm	<b>3</b>	1	3	---



### WEAR METALS

Iron	ppm	<b>31</b>	7	39	---
Copper	ppm	<b>50</b>	10	157	---
Lead	ppm	<b>&lt;1</b>	0	3	---
Tin	ppm	<b>2</b>	<1	2	---
Aluminum	ppm	<b>3</b>	2	2	---
Chromium	ppm	<b>&lt;1</b>	<1	<1	---
Molybdenum	ppm	<b>50</b>	41	65	---
Nickel	ppm	<b>5</b>	<1	3	---
Titanium	ppm	<b>&lt;1</b>	<1	0	---
Silver	ppm	<b>&lt;1</b>	0	0	---
Manganese	ppm	<b>1</b>	0	4	---
Vanadium	ppm	<b>0</b>	<1	0	---



### ADDITIVES

Calcium	ppm	<b>1778</b>	1581	2091	---
Magnesium	ppm	<b>378</b>	451	31	---
Zinc	ppm	<b>1102</b>	1071	1154	---
Phosphorus	ppm	<b>863</b>	924	975	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>22</b>	56	23	---

### 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 acceptable for the time in service.

**Depot:** VOLVO0092  
**Unique No:** 11075053  
**Signed:** Angela Borella  
**Report Date:** 14 Jun 2024

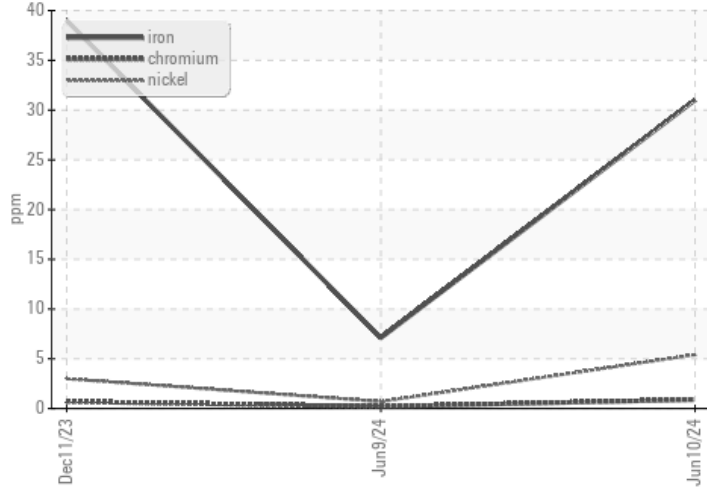


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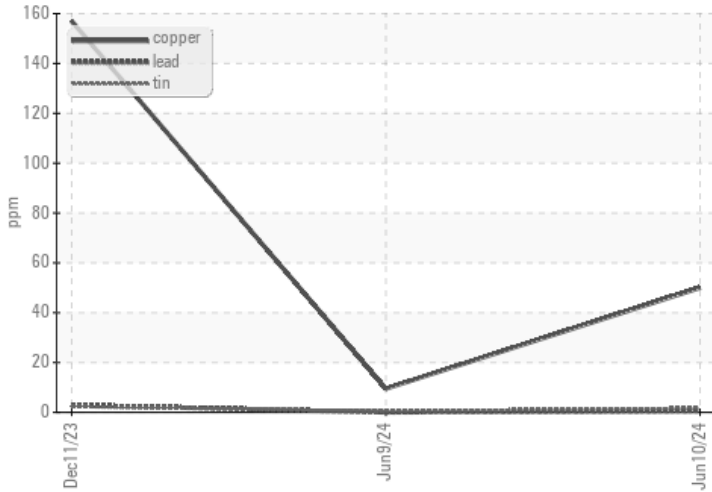


## GRAPHS

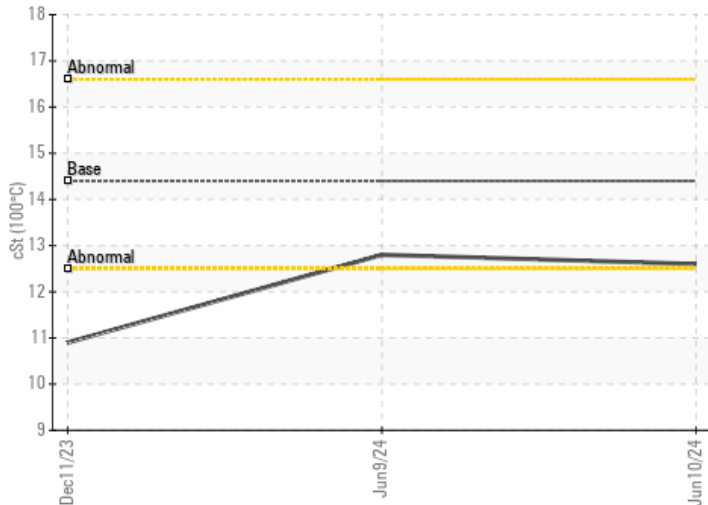
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 100°C



### Base Number

