



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 342727 - DIESEL ENGINE



**Sample No:** VCP0008463  
**Oil Type:** DIESEL ENGINE OIL SAE 40  
**Job No:**



**ALTA EQUIPMENT COMPANY**  
 8750 PHILIPS HWY  
 JACKSONVILLE, FL  
 US 32256  
 Contact: SHAWN NORTHCRAFT  
 shawn.northcraft@altg.com  
 T: (904)737-6000  
 F: (904)737-1260



### SAMPLE INFORMATION

Sample Number	<b>VCP0008463</b>	VCP291435	---	---
Sample Date	<b>27 Jun 2024</b>	29 Dec 2020	---	---
Machine Hours	<b>3922</b>	0	---	---
Oil Hours	<b>3922</b>	0	---	---
Oil Changed	<b>N/A</b>	Not Changd	---	---
Sample Status	<b>NORMAL</b>	NORMAL	---	---



### OIL CONDITION

Visc @ 100°C	cSt	<b>13.2</b>	12.9	---	---
Base Number (BN)	mg KOH/g	<b>8.3</b>	---	---	---
Oxidation (PA)	%	<b>53</b>	62	---	---



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Soot %	%	<b>0.2</b>	0.7	---	---
Nitration (PA)	%	<b>48</b>	69	---	---
Sulfation (PA)	%	<b>51</b>	56	---	---
Glycol	%	<b>NEG</b>	NEG	---	---
Fuel	%	<b>&lt;1.0</b>	<1.0	---	---
Silicon	ppm	<b>6</b>	2	---	---
Sodium	ppm	<b>2</b>	9	---	---
Potassium	ppm	<b>1</b>	2	---	---



### WEAR METALS

Iron	ppm	<b>7</b>	13	---	---
Copper	ppm	<b>11</b>	9	---	---
Lead	ppm	<b>0</b>	1	---	---
Tin	ppm	<b>0</b>	1	---	---
Aluminum	ppm	<b>4</b>	2	---	---
Chromium	ppm	<b>&lt;1</b>	<1	---	---
Molybdenum	ppm	<b>72</b>	61	---	---
Nickel	ppm	<b>2</b>	1	---	---
Titanium	ppm	<b>0</b>	<1	---	---
Silver	ppm	<b>0</b>	<1	---	---
Manganese	ppm	<b>0</b>	<1	---	---
Vanadium	ppm	<b>0</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>1281</b>	1118	---	---
Magnesium	ppm	<b>508</b>	968	---	---
Zinc	ppm	<b>1136</b>	1270	---	---
Phosphorus	ppm	<b>961</b>	1059	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>230</b>	5	---	---

### Diagnosis

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. 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.

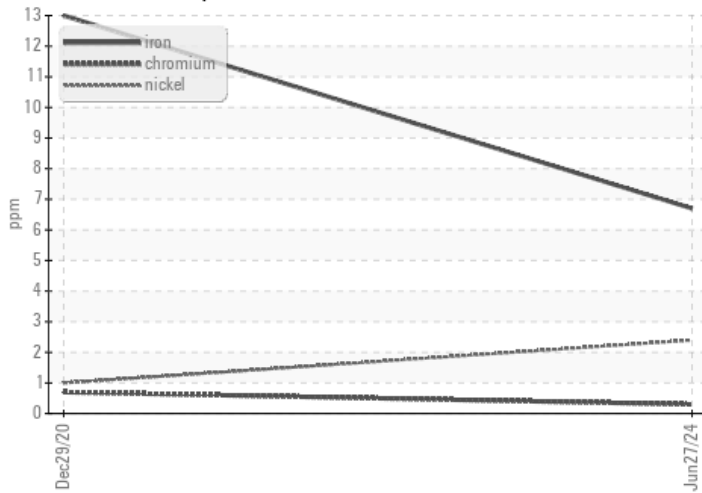


# CONSTRUCTION EQUIPMENT

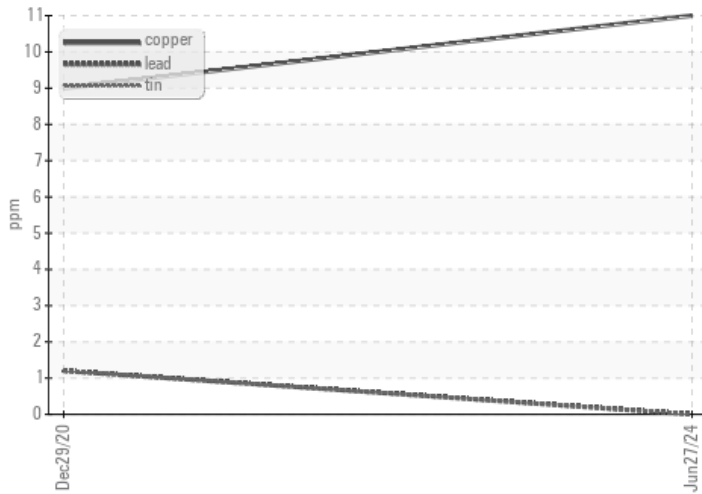


## GRAPHS

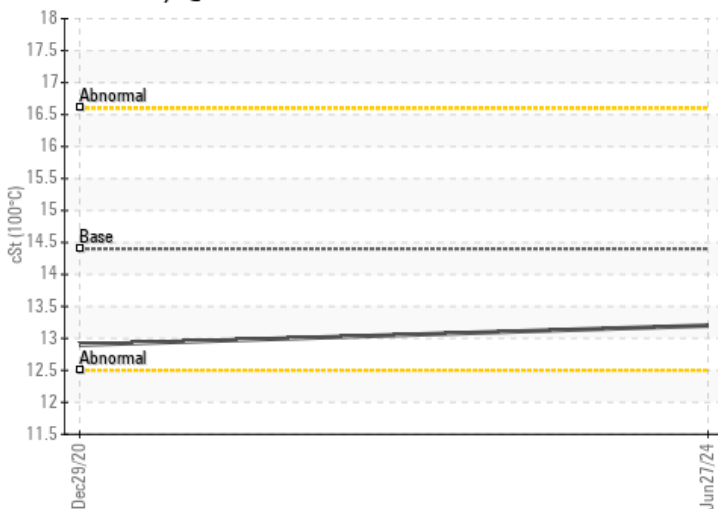
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 100°C



### Base Number

