



# CONSTRUCTION EQUIPMENT

X48505 VOLVO A25G 752721 - DIESEL ENGINE



**Sample No:** VCP430719  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** X48505



## SAMPLE INFORMATION

Sample Number	VCP430719	---	---	---
Sample Date	07 Feb 2024	---	---	---
Machine Hours	650	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

**SCOTT EQUIPMENT COMPANY LLC - Lake Charles**  
 PO BOX 16955  
 LAKE CHARLES, LA  
 US 70616  
 Contact: TINA LEDOUX  
 tledoux@scottcompanies.com  
 T: (337)433-9811  
 F: (318)433-6623



## OIL CONDITION

Visc @ 100°C	cSt	▲ 10.6	---	---	---
Base Number (BN)	mg KOH/g	■ 5.3	---	---	---
Oxidation (PA)	%	59	---	---	---

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. The nickel level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other metal levels are typical for a new component breaking in. 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.



## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.3	---	---	---
Nitration (PA)	%	83	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.5	---	---	---
Silicon	ppm	■ 65	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ 4	---	---	---



## WEAR METALS

Iron	ppm	■ 42	---	---	---
Copper	ppm	▲ 341	---	---	---
Lead	ppm	■ 4	---	---	---
Tin	ppm	■ 3	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 81	---	---	---
Nickel	ppm	▲ 26	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ <1	---	---	---
Manganese	ppm	■ 7	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	■ 2324	---	---	---
Magnesium	ppm	■ 29	---	---	---
Zinc	ppm	■ 1182	---	---	---
Phosphorus	ppm	■ 1034	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 41	---	---	---

**Depot:** VOLVO6244  
**Unique No:** 10874377  
**Signed:** Jonathan Hester  
**Report Date:** 14 Feb 2024

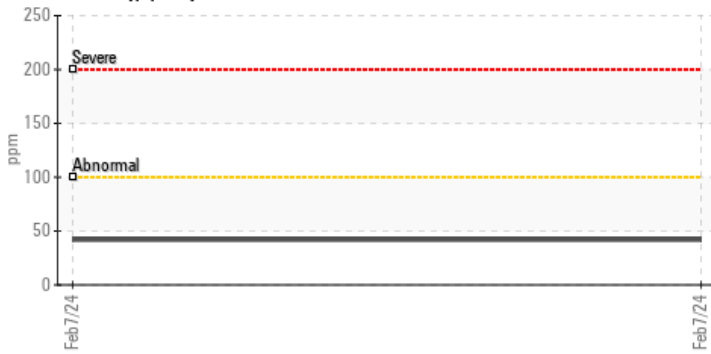


# CONSTRUCTION EQUIPMENT



## GRAPHS

### Iron (ppm)



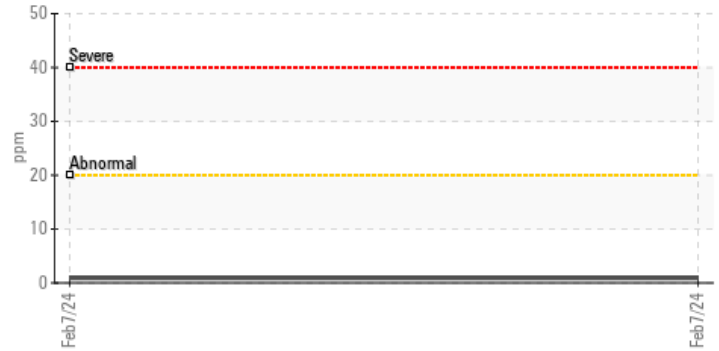
### Lead (ppm)



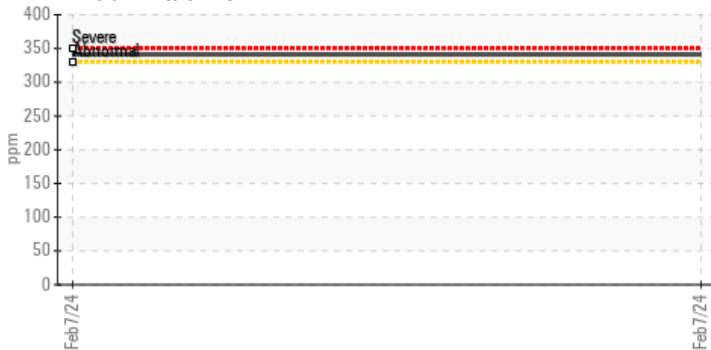
### Aluminum (ppm)



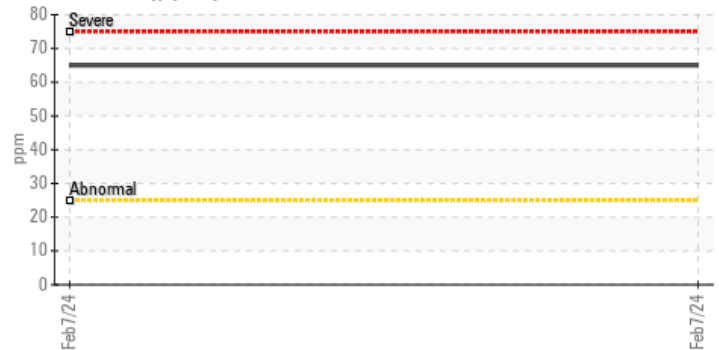
### Chromium (ppm)



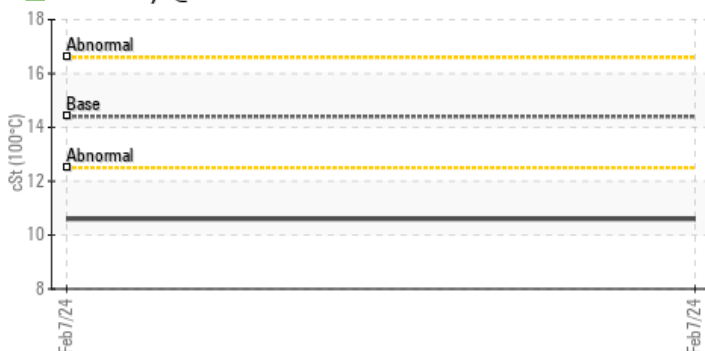
### ▲ Copper (ppm)



### Silicon (ppm)



### ▲ Viscosity @ 100°C



### Base Number

