



# CONSTRUCTION EQUIPMENT

SPM579699 VOLVO A25G 752583 - DIESEL ENGINE



**Sample No:** VCP419517  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** SPM579699



## SAMPLE INFORMATION

Sample Number	VCP419517	---	---	---
Sample Date	21 Jul 2023	---	---	---
Machine Hours	2080	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**ALTA EQUIPMENT CO - ORLAND PARK**  
5000 INDUSTRIAL HWY  
GARY, IN  
US 46406  
Contact: DAVE ENG  
DAVE.ENG@ALTG.COM  
T: (312)350-2560  
F:

## OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	---	---	---
Base Number (BN)	mg KOH/g	█ 6.9	---	---	---
Oxidation (PA)	%	█ 69	---	---	---

## Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. All other 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.

## CONTAMINATION

Soot %	%	█ 0.7	---	---	---
Nitration (PA)	%	█ 78	---	---	---
Sulfation (PA)	%	█ 60	---	---	---
Glycol	%	█ NEG	---	---	---
Fuel	%	█ <1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---

## WEAR METALS

Iron	ppm	█ 26	---	---	---
Copper	ppm	▲ 41	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 71	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	█ 0	---	---	---

## ADDITIVES

Calcium	ppm	█ 1263	---	---	---
Magnesium	ppm	█ 822	---	---	---
Zinc	ppm	█ 1237	---	---	---
Phosphorus	ppm	█ 972	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 16	---	---	---

**Depot:** VOLVO8885  
**Unique No:** 10586136  
**Signed:** Jonathan Hester  
**Report Date:** 04 Aug 2023



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## GRAPHS

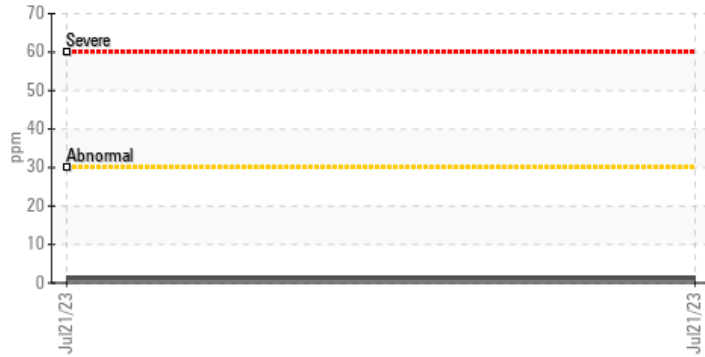
### Iron (ppm)



### Lead (ppm)



### Aluminum (ppm)



### Chromium (ppm)



### ▲ Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Base Number

