



# CONSTRUCTION EQUIPMENT

SW103231 WESTERN UG VOLVO EC380E 315656 - DIESEL ENGINE



**Sample No:** VCP438513  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** SW103231 WESTERN UG



## SAMPLE INFORMATION

Sample Number	VCP438513	---	---	---
Sample Date	03 May 2024	---	---	---
Machine Hours	684	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**ARNOLD MACHINERY COMPANY**  
 4323 EAST WINSLOW AVENUE  
 PHOENIX, AZ  
 US 85040  
 Contact: RANDY PRZEKURAT  
 randyp@arnoldmachinery.com  
 T:  
 F: (602)414-1904



## OIL CONDITION

Visc @ 100°C	cSt	12.0	---	---	---
Base Number (BN)	mg KOH/g	8.9	---	---	---
Oxidation (PA)	%	80	---	---	---

## Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	63	---	---	---
Sulfation (PA)	%	61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	11	---	---	---
Sodium	ppm	0	---	---	---
Potassium	ppm	2	---	---	---



## WEAR METALS

Iron	ppm	6	---	---	---
Copper	ppm	32	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	53	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	1634	---	---	---
Magnesium	ppm	517	---	---	---
Zinc	ppm	1132	---	---	---
Phosphorus	ppm	990	---	---	---
Barium	ppm	2	---	---	---
Boron	ppm	58	---	---	---

**Depot:** VOLVO6174  
**Unique No:** 11022487  
**Signed:** Sean Felton  
**Report Date:** 14 May 2024



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## GRAPHS

### Iron (ppm)



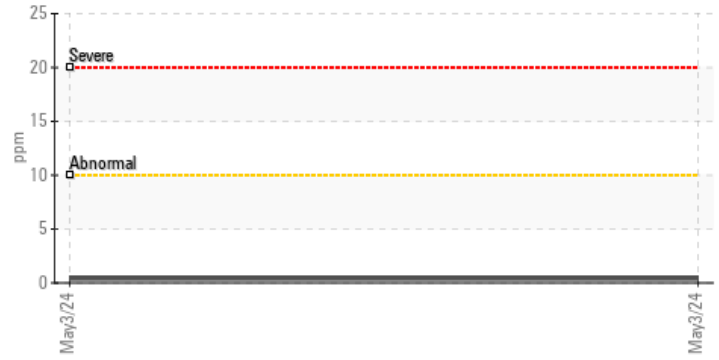
### Lead (ppm)



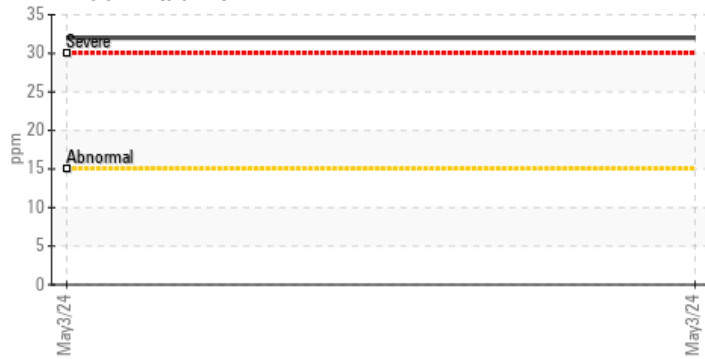
### Aluminum (ppm)



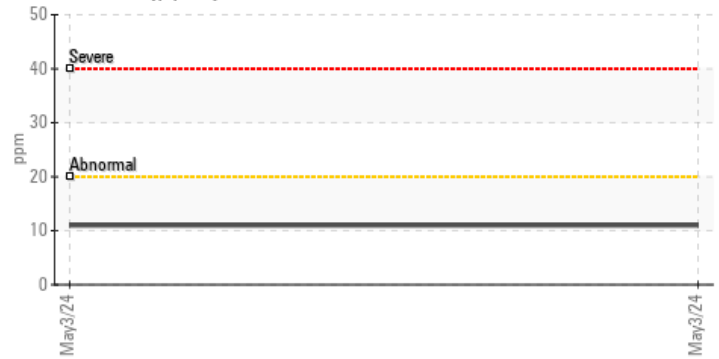
### Chromium (ppm)



### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Base Number

