



# CONSTRUCTION EQUIPMENT

SPM646227-20 GEHL RS1055-GEH RS055CM492478 - DIESEL ENGINE



**Sample No:** VCP403584  
**Oil Type:** MOBIL DELVAC 1 5W40  
**Job No:** SPM646227-20



## SAMPLE INFORMATION

Sample Number	VCP403584	---	---	---
Sample Date	08 Dec 2023	---	---	---
Machine Hours	1528	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

### ALTA EQUIPMENT COMPANY

1061 STEPKE COURT  
TRAVERSE CITY, MI  
US 49685  
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## OIL CONDITION

Visc @ 100°C	cSt	█ 13.8	---	---	---
Base Number (BN)	mg KOH/g	█ 6.7	---	---	---
Oxidation (PA)	%	76	---	---	---

## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	64	---	---	---
Sulfation (PA)	%	61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 4	---	---	---

### 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 suitable for further service.

## WEAR METALS

Iron	ppm	█ 34	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 18	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 12	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	█ 1779	---	---	---
Magnesium	ppm	305	---	---	---
Zinc	ppm	█ 1153	---	---	---
Phosphorus	ppm	█ 998	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 162	---	---	---

**Depot:** VOLVO8501  
**Unique No:** 10806377  
**Signed:** Wes Davis  
**Report Date:** 28 Dec 2023

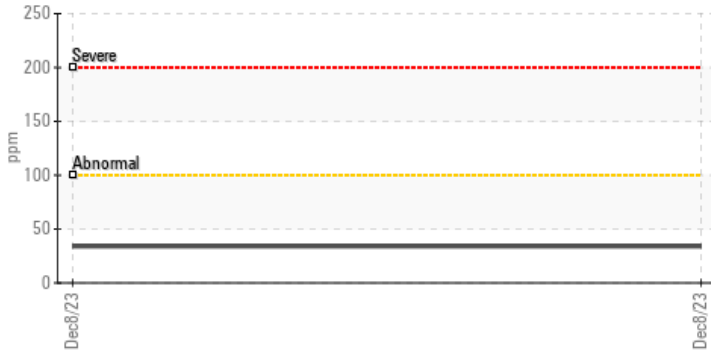


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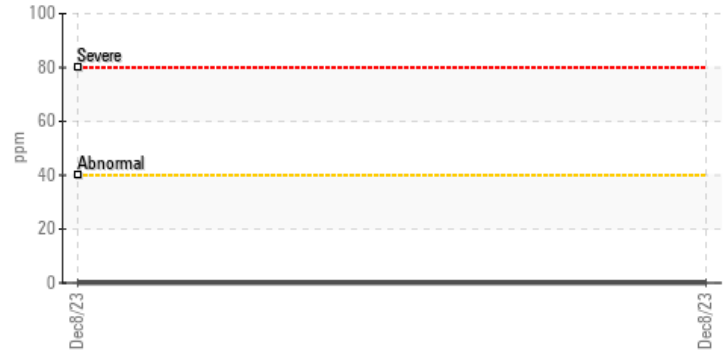


## GRAPHS

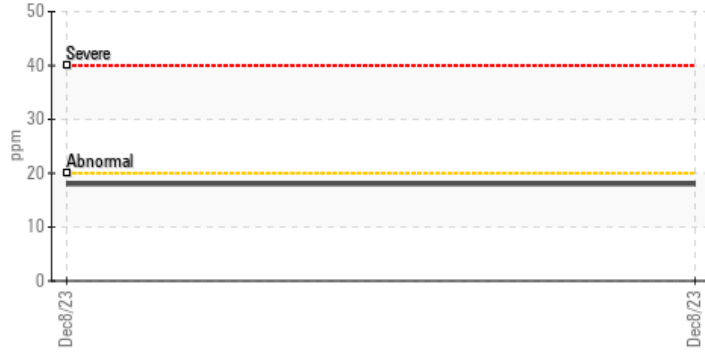
### Iron (ppm)



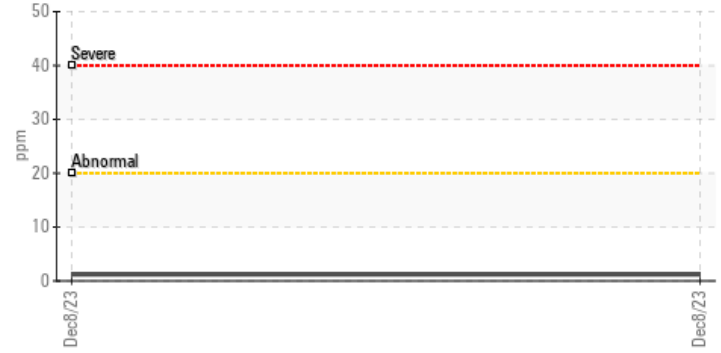
### Lead (ppm)



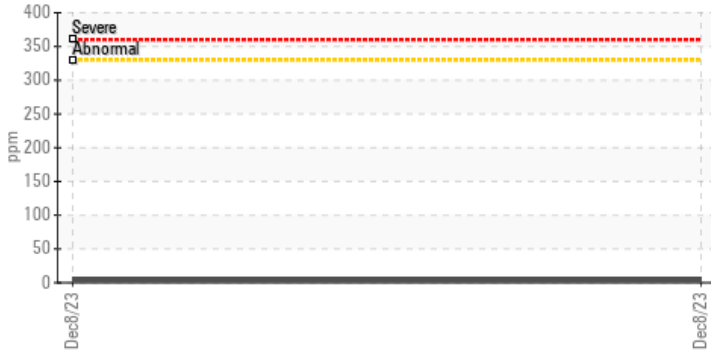
### Aluminum (ppm)



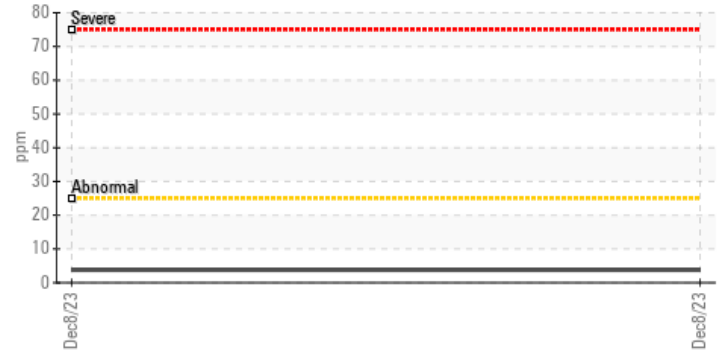
### Chromium (ppm)



### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Base Number

