



# CONSTRUCTION EQUIPMENT

19065 VALFAIR VOLVO EC380E 310512 - SWING DRIVE



**Sample No:** VCP407557  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 19065 VALFAIR



**117 - ASCENDUM MACHINERY INC - GREENVILLE**  
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## SAMPLE INFORMATION

Sample Number	<b>VCP407557</b>	VCP360114	VCP334909	---
Sample Date	<b>30 Jun 2023</b>	04 Apr 2022	03 Aug 2021	---
Machine Hours	<b>8132</b>	6745	6581	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>ATTENTION</b>	ATTENTION	NORMAL	---



## OIL CONDITION

Visc @ 40°C	cSt	<b>▲ 53.8</b>	▲ 55.3	■ 141	---
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## CONTAMINATION

Silicon	ppm	<b>■ 16</b>	■ 6	■ 13	---
Sodium	ppm	<b>■ &lt;1</b>	■ 2	■ 0	---
Potassium	ppm	<b>■ 0</b>	■ 0	■ <1	---



## WEAR METALS

Iron	ppm	<b>■ 190</b>	■ 75	■ 383	---
Copper	ppm	<b>■ 7</b>	■ 5	■ 19	---
Lead	ppm	<b>■ 0</b>	■ 0	■ 0	---
Tin	ppm	<b>■ 0</b>	<1	<1	---
Aluminum	ppm	<b>■ 2</b>	1	0	---
Chromium	ppm	<b>■ 2</b>	<1	4	---
Molybdenum	ppm	<b>■ 3</b>	■ 3	■ <1	---
Nickel	ppm	<b>■ 0</b>	<1	<1	---
Titanium	ppm	<b>0</b>	<1	0	---
Silver	ppm	<b>0</b>	<1	3	---
Manganese	ppm	<b>■ &lt;1</b>	■ 2	■ 4	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>■ 26</b>	■ 15	■ 30	---
Magnesium	ppm	<b>■ &lt;1</b>	■ 0	■ 4	---
Zinc	ppm	<b>■ 31</b>	■ 15	■ 21	---
Phosphorus	ppm	<b>2255</b>	■ 2287	■ 960	---
Barium	ppm	<b>■ 0</b>	■ 0	■ 0	---
Boron	ppm	<b>■ 227</b>	■ 285	■ 118	---

## Diagnosis

The oil change at the time of sampling has been noted. 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 oil viscosity is lower than normal. Confirm oil type.

**Depot:** VOLVO8769  
**Unique No:** 10552838  
**Signed:** Don Baldrige  
**Report Date:** 14 Jul 2023



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## GRAPHS

