



# CONSTRUCTION EQUIPMENT

SW1025007 MGC VOLVO EC380EL 310677 - SWING DRIVE



**Sample No:** VCP425235  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SW1025007 MGC



## SAMPLE INFORMATION

Sample Number	<b>VCP425235</b>	VCP346843	VCP281510	---
Sample Date	<b>19 Oct 2023</b>	09 Mar 2022	23 Sep 2020	---
Machine Hours	<b>2872</b>	2431	1854	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Not Chngd	Changed	---
Sample Status	<b>ATTENTION</b>	ABNORMAL	NORMAL	---

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## OIL CONDITION

Visc @ 40°C	cSt	<b>▲ 74.9</b>	■ 74.3	155	---
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## CONTAMINATION

Silicon	ppm	■ <b>11</b>	■ 11	■ 16	---
Sodium	ppm	■ <b>4</b>	■ 4	■ 3	---
Potassium	ppm	■ <b>&lt;1</b>	■ 0	■ 0	---

## 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.



## WEAR METALS

Iron	ppm	■ <b>120</b>	■ 118	■ 268	---
Copper	ppm	■ <b>15</b>	■ 15	■ 20	---
Lead	ppm	■ <b>&lt;1</b>	■ <1	■ 0	---
Tin	ppm	■ <b>0</b>	0	0	---
Aluminum	ppm	■ <b>1</b>	2	2	---
Chromium	ppm	■ <b>2</b>	2	3	---
Molybdenum	ppm	■ <b>19</b>	■ 20	2	---
Nickel	ppm	■ <b>0</b>	<1	<1	---
Titanium	ppm	<b>0</b>	<1	0	---
Silver	ppm	<b>0</b>	<1	0	---
Manganese	ppm	■ <b>2</b>	■ 2	4	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	■ <b>1386</b>	■ 1440	70	---
Magnesium	ppm	■ <b>236</b>	■ 263	32	---
Zinc	ppm	■ <b>771</b>	■ 826	73	---
Phosphorus	ppm	■ <b>1221</b>	■ 1324	456	---
Barium	ppm	■ <b>0</b>	■ 0	2	---
Boron	ppm	■ <b>135</b>	■ 131	1	---

**Depot:** VOLVO6174  
**Unique No:** 10711080  
**Signed:** Don Baldrige  
**Report Date:** 26 Oct 2023



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## GRAPHS

