



# CONSTRUCTION EQUIPMENT

SPM595200 VOLVO EC160E 314043 - SWING DRIVE



**Sample No:** VCP415170  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM595200



## SAMPLE INFORMATION

Sample Number	<b>VCP415170</b>	VCP422612	VCP404360	---
Sample Date	<b>28 Aug 2023</b>	26 Apr 2023	10 Jan 2023	---
Machine Hours	<b>5634</b>	5136	4632	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

**CALUMET CITY AUTO WRECKERS**  
 630 E STATE ST  
 CALUMET CITY, IL  
 US 60409  
 Contact: GARY



## OIL CONDITION

Visc @ 40°C	cSt	<b>143</b>	184	185	---
-------------	-----	------------	-----	-----	-----

T: (815)600-9027  
 F:



## CONTAMINATION

Silicon	ppm	<b>10</b>	33	23	---
Sodium	ppm	<b>0</b>	3	<1	---
Potassium	ppm	<b>2</b>	3	<1	---

## 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 condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	<b>189</b>	1062	696	---
Copper	ppm	<b>10</b>	44	23	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>0</b>	0	<1	---
Aluminum	ppm	<b>&lt;1</b>	5	2	---
Chromium	ppm	<b>2</b>	14	8	---
Molybdenum	ppm	<b>&lt;1</b>	2	1	---
Nickel	ppm	<b>0</b>	<1	<1	---
Titanium	ppm	<b>0</b>	<1	<1	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>3</b>	12	8	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>31</b>	14	14	---
Magnesium	ppm	<b>3</b>	5	<1	---
Zinc	ppm	<b>21</b>	35	7	---
Phosphorus	ppm	<b>873</b>	427	365	---
Barium	ppm	<b>3</b>	5	0	---
Boron	ppm	<b>254</b>	0	0	---

**Depot:** CALCALIL  
**Unique No:** 10633246  
**Signed:** Wes Davis  
**Report Date:** 06 Sep 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

