



# CONSTRUCTION EQUIPMENT

SPM716807 VOLVO EC160E 314043 - SWING DRIVE



**Sample No:** VCP446786  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM716807



## SAMPLE INFORMATION

Sample Number	<b>VCP446786</b>	VCP415170	VCP422612	VCP404360
Sample Date	<b>24 May 2024</b>	28 Aug 2023	26 Apr 2023	10 Jan 2023
Machine Hours	<b>6909</b>	5634	5136	4632
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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



## OIL CONDITION

Visc @ 40°C	cSt	<b>137</b>	143	184	185
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T: (815)600-9027  
 F:



## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>7</b>	10	33	23
Sodium	ppm	<b>0</b>	0	3	<1
Potassium	ppm	<b>2</b>	2	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>132</b>	189	1062	696
Copper	ppm	<b>4</b>	10	44	23
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	0	<1
Aluminum	ppm	<b>2</b>	<1	5	2
Chromium	ppm	<b>2</b>	2	14	8
Molybdenum	ppm	<b>2</b>	<1	2	1
Nickel	ppm	<b>&lt;1</b>	0	<1	<1
Titanium	ppm	<b>&lt;1</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>1</b>	3	12	8
Vanadium	ppm	<b>&lt;1</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>202</b>	31	14	14
Magnesium	ppm	<b>26</b>	3	5	<1
Zinc	ppm	<b>110</b>	21	35	7
Phosphorus	ppm	<b>589</b>	873	427	365
Barium	ppm	<b>&lt;1</b>	3	5	0
Boron	ppm	<b>36</b>	254	0	0

**Depot:** CALCALIL  
**Unique No:** 11085059  
**Signed:** Wes Davis  
**Report Date:** 19 Jun 2024



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## GRAPHS

