



# CONSTRUCTION EQUIPMENT

## SPM716819 VOLVO EC160D 210090 - RIGHT FINAL DRIVE



**Sample No:** VCP446759  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM716819



### SAMPLE INFORMATION

Sample Number	<b>VCP446759</b>	VCP429878	VCP415163	VCP422727
Sample Date	<b>24 May 2024</b>	29 Nov 2023	28 Aug 2023	26 Apr 2023
Machine Hours	<b>9689</b>	9128	8565	7910
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	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>147</b>	157	151	194
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T: (815)600-9027  
 F:



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	0.154
Silicon	ppm	<b>6</b>	14	9	42
Sodium	ppm	<b>2</b>	2	0	2
Potassium	ppm	<b>2</b>	9	1	2

### 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>29</b>	55	53	187
Copper	ppm	<b>&lt;1</b>	<1	<1	0
Lead	ppm	<b>0</b>	<1	<1	0
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>2</b>	3	<1	5
Chromium	ppm	<b>&lt;1</b>	1	1	6
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	2
Nickel	ppm	<b>&lt;1</b>	0	0	<1
Titanium	ppm	<b>&lt;1</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	1	<1	3
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>105</b>	674	416	2228
Magnesium	ppm	<b>10</b>	17	5	33
Zinc	ppm	<b>59</b>	280	193	930
Phosphorus	ppm	<b>548</b>	656	945	830
Barium	ppm	<b>&lt;1</b>	0	2	0
Boron	ppm	<b>28</b>	88	165	4

**Depot:** CALCALIL  
**Unique No:** 11085062  
**Signed:** Wes Davis  
**Report Date:** 19 Jun 2024



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## VOLVO GRAPHS

