



# CONSTRUCTION EQUIPMENT

## SPM595205 VOLVO EC160D 2 10090 - RIGHT FINAL DRIVE



**Sample No:** VCP415163  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM595205



### SAMPLE INFORMATION

Sample Number	<b>VCP415163</b>	VCP422727	VCP404352	VCP373538
Sample Date	<b>28 Aug 2023</b>	26 Apr 2023	10 Jan 2023	10 Jun 2022
Machine Hours	<b>8565</b>	7910	7275	6016
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	MARGINAL	NORMAL

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



### OIL CONDITION

Visc @ 40°C	cSt	<b>151</b>	194	195	180
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T: (815)600-9027  
 F:



### CONTAMINATION

Water	%	---	0.154	0.225	---
Silicon	ppm	<b>9</b>	42	41	67
Sodium	ppm	<b>0</b>	2	2	3
Potassium	ppm	<b>1</b>	2	1	8

### 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>53</b>	187	184	383
Copper	ppm	<b>&lt;1</b>	0	1	<1
Lead	ppm	<b>&lt;1</b>	0	2	<1
Tin	ppm	<b>0</b>	0	<1	0
Aluminum	ppm	<b>&lt;1</b>	5	4	11
Chromium	ppm	<b>1</b>	6	6	10
Molybdenum	ppm	<b>&lt;1</b>	2	2	1
Nickel	ppm	<b>0</b>	<1	<1	0
Titanium	ppm	<b>0</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>&lt;1</b>	3	3	6
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>416</b>	2228	2119	96
Magnesium	ppm	<b>5</b>	33	32	23
Zinc	ppm	<b>193</b>	930	896	28
Phosphorus	ppm	<b>945</b>	830	763	280
Barium	ppm	<b>2</b>	0	0	0
Boron	ppm	<b>165</b>	4	3	2

**Depot:** CALCALIL  
**Unique No:** 10633243  
**Signed:** Don Baldrige  
**Report Date:** 07 Sep 2023



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## GRAPHS

