



# CONSTRUCTION EQUIPMENT

## SPM716807 VOLVO EC160E 314043 - LEFT FINAL DRIVE



**Sample No:** VCP446762  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM716807



### SAMPLE INFORMATION

Sample Number	<b>VCP446762</b>	VCP415162	VCP422721	VCP404363
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>ABNORMAL</b>	NORMAL	ABNORMAL	SEVERE

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



### OIL CONDITION

Visc @ 40°C	cSt	<b>143</b>	95.2	186	191
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T: (815)600-9027  
 F:



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>73</b>	2	211	319
Sodium	ppm	<b>5</b>	0	7	11
Potassium	ppm	<b>6</b>	<1	14	19

Diagnosis



### WEAR METALS

Iron	ppm	<b>292</b>	<1	675	1041
Copper	ppm	<b>1</b>	<1	0	3
Lead	ppm	<b>&lt;1</b>	0	0	2
Tin	ppm	<b>&lt;1</b>	0	0	<1
Aluminum	ppm	<b>10</b>	0	27	35
Chromium	ppm	<b>2</b>	0	6	10
Molybdenum	ppm	<b>&lt;1</b>	0	<1	1
Nickel	ppm	<b>1</b>	0	2	4
Titanium	ppm	<b>1</b>	0	1	2
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>3</b>	0	7	11
Vanadium	ppm	<b>&lt;1</b>	0	<1	<1



### ADDITIVES

Calcium	ppm	<b>82</b>	26	104	152
Magnesium	ppm	<b>26</b>	1	42	62
Zinc	ppm	<b>39</b>	12	12	0
Phosphorus	ppm	<b>666</b>	872	214	281
Barium	ppm	<b>&lt;1</b>	2	0	0
Boron	ppm	<b>51</b>	164	0	0

**Depot:** CALCALIL  
**Unique No:** 11085047  
**Signed:** Don Baldrige  
**Report Date:** 19 Jun 2024



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## GRAPHS

