



# CONSTRUCTION EQUIPMENT

## A11864 ALPHA VOLVO EC160E 314175 - REAR LEFT FINAL DRIVE



**Sample No:** VCP428750  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:** A11864 ALPHA



**HOFFMAN EQUIPMENT - LIONVILLE**  
 120 GORDON DRIVE  
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 US 19341  
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### SAMPLE INFORMATION

Sample Number	<b>VCP428750</b>	VCP413705	VCP339282	VCP365729
Sample Date	<b>12 Jan 2024</b>	16 Aug 2023	02 Mar 2023	01 Dec 2022
Machine Hours	<b>6540</b>	5360	4350	3841
Oil Hours	<b>1000</b>	1000	1500	0
Oil Changed	<b>Changed</b>	Not Changd	Changed	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### OIL CONDITION

Visc @ 40°C	cSt	<b>326</b>	324	318	322
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>1</b>	2	2	2
Sodium	ppm	<b>0</b>	0	0	0
Potassium	ppm	<b>2</b>	<1	2	0

### WEAR METALS

Iron	ppm	<b>43</b>	35	39	37
Copper	ppm	<b>0</b>	0	<1	<1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	<1	0	<1
Aluminum	ppm	<b>2</b>	1	1	1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>0</b>	0	<1	<1
Nickel	ppm	<b>0</b>	0	<1	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>6</b>	14	5	5
Magnesium	ppm	<b>2</b>	1	2	<1
Zinc	ppm	<b>0</b>	5	12	10
Phosphorus	ppm	<b>754</b>	819	901	831
Barium	ppm	<b>&lt;1</b>	0	0	0
Boron	ppm	<b>23</b>	26	126	138

### 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.

**Depot:** VOLVO8879  
**Unique No:** 10836564  
**Signed:** Wes Davis  
**Report Date:** 22 Jan 2024



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## VOLVO GRAPHS

