



# CONSTRUCTION EQUIPMENT

## A10932 ALPHA VOLVO EC160E 314175 - REAR LEFT FINAL DRIVE



**Sample No:** VCP413705  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:** A10932 ALPHA



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

Sample Number	<b>VCP413705</b>	VCP339282	VCP365729	VCP364103
Sample Date	<b>16 Aug 2023</b>	02 Mar 2023	01 Dec 2022	22 Aug 2022
Machine Hours	<b>5360</b>	4350	3841	3317
Oil Hours	<b>1000</b>	1500	0	0
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### OIL CONDITION

Visc @ 40°C	cSt	<b>324</b>	318	322	142
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### CONTAMINATION

Silicon	ppm	<b>2</b>	2	2	3
Sodium	ppm	<b>0</b>	0	0	0
Potassium	ppm	<b>&lt;1</b>	2	0	2

### WEAR METALS

Iron	ppm	<b>35</b>	39	37	78
Copper	ppm	<b>0</b>	<1	<1	1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	<1	0
Aluminum	ppm	<b>1</b>	1	1	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	1
Molybdenum	ppm	<b>0</b>	<1	<1	2
Nickel	ppm	<b>0</b>	<1	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	1
Vanadium	ppm	<b>0</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>14</b>	5	5	32
Magnesium	ppm	<b>1</b>	2	<1	3
Zinc	ppm	<b>5</b>	12	10	23
Phosphorus	ppm	<b>819</b>	901	831	572
Barium	ppm	<b>0</b>	0	0	5
Boron	ppm	<b>26</b>	126	138	5

### 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:** 10618287  
**Signed:** Sean Felton  
**Report Date:** 25 Aug 2023



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## VOLVO GRAPHS

