



# CONSTRUCTION EQUIPMENT

## A12860 ALPHA VOLVO EC160E 314175 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP434212  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:** A12860 ALPHA



### SAMPLE INFORMATION

Sample Number	<b>VCP434212</b>	VCP439493	VCP425967	VCP399914
Sample Date	<b>20 Jun 2024</b>	12 Jan 2024	16 Aug 2023	02 Mar 2023
Machine Hours	<b>7660</b>	6540	5360	4350
Oil Hours	<b>1000</b>	1000	1000	1500
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**HOFFMAN EQUIPMENT - LIONVILLE**  
 120 GORDON DRIVE  
 LIONVILLE, PA  
 US 19341  
 Contact: JIM FEHR  
 jim.fehr@hoffmanequip.com  
 T: (610)363-9200  
 F: (610)594-0829



### OIL CONDITION

Visc @ 40°C	cSt	<b>318</b>	321	323	296
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	2	1	2
Sodium	ppm	<1	<1	0	0
Potassium	ppm	2	3	0	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	21	13	12	35
Copper	ppm	<1	0	0	<1
Lead	ppm	0	<1	0	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	0	<1	1	1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	0



### ADDITIVES

Calcium	ppm	6	40	8	12
Magnesium	ppm	<1	2	1	1
Zinc	ppm	6	8	2	10
Phosphorus	ppm	764	813	747	880
Barium	ppm	<1	<1	0	0
Boron	ppm	21	23	26	135

**Depot:** VOLVO8879  
**Unique No:** 11101999  
**Signed:** Don Baldrige  
**Report Date:** 01 Jul 2024



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## VOLVO GRAPHS

