



# CONSTRUCTION EQUIPMENT

## A11511 VOLVO A30D 74083 - FRONT AXLE



**Sample No:** VCP433766  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:** A11511



### SAMPLE INFORMATION

Sample Number	<b>VCP433766</b>	VCP425733	VCP377094	VCP314013
Sample Date	<b>20 Nov 2023</b>	27 Jun 2023	06 May 2022	10 May 2021
Machine Hours	<b>13990</b>	13545	12906	12290
Oil Hours	<b>1000</b>	500	0	2000
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	NORMAL

**DYER QUARRY**  
P.O. BOX 188, 1275 ROCK HOLLOW ROAD  
BIRDSBORO, PA  
US 19508  
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T:  
F: (610)582-2304



### OIL CONDITION

Visc @ 40°C	cSt	<b>168</b>	169	169	287
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>4</b>	5	5	1
Sodium	ppm	<b>&lt;1</b>	<1	0	<1
Potassium	ppm	<b>&lt;1</b>	1	<1	<1

### 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>57</b>	48	38	36
Copper	ppm	<b>3</b>	3	2	3
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>0</b>	<1	<1	<1
Aluminum	ppm	<b>&lt;1</b>	1	1	0
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>0</b>	1	1	5
Nickel	ppm	<b>&lt;1</b>	<1	0	<1
Titanium	ppm	<b>0</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	0	2
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>35</b>	27	26	93
Magnesium	ppm	<b>8</b>	5	7	23
Zinc	ppm	<b>14</b>	13	14	57
Phosphorus	ppm	<b>1046</b>	1031	1059	935
Barium	ppm	<b>0</b>	0	0	<1
Boron	ppm	<b>176</b>	225	220	170

**Depot:** DYEBIR  
**Unique No:** 10765320  
**Signed:** Don Baldrige  
**Report Date:** 03 Dec 2023



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## VOLVO GRAPHS

