



# CONSTRUCTION EQUIPMENT

## VOLVO A40F 12386 - BOGIE/CENTER AXLE



**Sample No:** VCP447704  
**Oil Type:** MOBIL MOBILUBE HD PLUS 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP447704</b>	VCP402906	VCP404580	VCP373714
Sample Date	<b>18 Jun 2024</b>	19 Jul 2023	22 Mar 2023	22 Aug 2022
Machine Hours	<b>13301</b>	11382	10781	9653
Oil Hours	<b>965</b>	601	1128	1087
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>129</b>	131	130	136
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>4</b>	3	2	3
Sodium	ppm	<b>&lt;1</b>	1	<1	0
Potassium	ppm	<b>0</b>	1	0	0

### 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>28</b>	7	12	11
Copper	ppm	<b>0</b>	<1	0	0
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	1
Aluminum	ppm	<b>2</b>	0	<1	2
Chromium	ppm	<b>0</b>	0	0	0
Molybdenum	ppm	<b>&lt;1</b>	<1	1	<1
Nickel	ppm	<b>0</b>	0	0	<1
Titanium	ppm	<b>0</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>430</b>	393	470	326
Magnesium	ppm	<b>6</b>	8	11	7
Zinc	ppm	<b>144</b>	142	170	121
Phosphorus	ppm	<b>1010</b>	935	952	953
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>140</b>	163	162	194

**Depot:** SCHGRE  
**Unique No:** 11111389  
**Signed:** Wes Davis  
**Report Date:** 05 Jul 2024



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## GRAPHS

