



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 352 198 - FRONT AXLE



**Sample No:** VCP447483  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP447483</b>	VCP378564	VCP312940	VCP405996
Sample Date	<b>07 Jun 2024</b>	14 Dec 2023	06 Sep 2023	19 Jun 2023
Machine Hours	<b>5957</b>	4956	4393	3898
Oil Hours	<b>1001</b>	1058	495	239
Oil Changed	<b>Changed</b>	Changed	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ATTENTION

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### OIL CONDITION

Visc @ 40°C	cSt	<b>135</b>	132	131	50.2
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>3</b>	4	4	2
Sodium	ppm	<b>0</b>	0	0	3
Potassium	ppm	<b>2</b>	<1	<1	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	<b>52</b>	67	52	76
Copper	ppm	<b>&lt;1</b>	0	<1	<1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>2</b>	0	<1	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>3</b>	0	2	<1
Nickel	ppm	<b>&lt;1</b>	0	<1	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	2	1	2
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>168</b>	181	203	43
Magnesium	ppm	<b>15</b>	16	18	0
Zinc	ppm	<b>86</b>	83	101	14
Phosphorus	ppm	<b>1070</b>	1034	1070	2491
Barium	ppm	<b>&lt;1</b>	0	0	0
Boron	ppm	<b>176</b>	166	204	295

**Depot:** SCHGRE  
**Unique No:** 11085043  
**Signed:** Wes Davis  
**Report Date:** 19 Jun 2024



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## GRAPHS

