



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 352026 - FRONT AXLE



**Sample No:** VCP406457  
**Oil Type:** MOBIL MOBILUBE HD PLUS 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP406457</b>	VCP384379	VCP404852	VCP385413
Sample Date	<b>29 Aug 2023</b>	07 Jun 2023	22 Mar 2023	06 Dec 2022
Machine Hours	<b>9029</b>	8529	7981	7465
Oil Hours	<b>500</b>	1064	516	949
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>138</b>	132	132	130
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### CONTAMINATION

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



### WEAR METALS

Iron	ppm	<b>7</b>	15	17	22
Copper	ppm	<b>0</b>	0	0	0
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>0</b>	0	<1	0
Chromium	ppm	<b>0</b>	<1	0	0
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	1
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>0</b>	0	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>221</b>	428	381	405
Magnesium	ppm	<b>16</b>	8	7	8
Zinc	ppm	<b>83</b>	158	140	150
Phosphorus	ppm	<b>985</b>	1048	963	983
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>209</b>	171	172	157

### 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:** SCHGRE  
**Unique No:** 10634518  
**Signed:** Don Baldrige  
**Report Date:** 08 Sep 2023



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## GRAPHS

