



# CONSTRUCTION EQUIPMENT

## 2744 VOLVO A40F 12386 - FRONT AXLE



**Sample No:** VCP402905  
**Oil Type:** MOBIL MOBILUBE HD PLUS 80W90  
**Job No:** 2744



### SAMPLE INFORMATION

Sample Number	<b>VCP402905</b>	VCP406634	VCP373722	VCP357003
Sample Date	<b>19 Jul 2023</b>	22 Mar 2023	22 Aug 2022	13 Jun 2022
Machine Hours	<b>11382</b>	10781	9653	9175
Oil Hours	<b>601</b>	1128	1082	604
Oil Changed	<b>Changed</b>	Changed	Changed	Not Changd
Sample Status	<b>ABNORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>130</b>	128	136	137
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### CONTAMINATION

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



### WEAR METALS

Iron	ppm	<b>5</b>	12	14	11
Copper	ppm	<b>&lt;1</b>	0	0	<1
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>0</b>	0	1	0
Aluminum	ppm	<b>0</b>	<1	1	<1
Chromium	ppm	<b>0</b>	0	0	0
Molybdenum	ppm	<b>&lt;1</b>	1	<1	<1
Nickel	ppm	<b>0</b>	0	<1	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	2	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	0
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>322</b>	426	318	344
Magnesium	ppm	<b>7</b>	9	6	7
Zinc	ppm	<b>123</b>	168	119	130
Phosphorus	ppm	<b>866</b>	935	909	937
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>155</b>	158	188	191

### Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** SCHGRE  
**Unique No:** 10586807  
**Signed:** Don Baldrige  
**Report Date:** 04 Aug 2023



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## GRAPHS

