



# CONSTRUCTION EQUIPMENT

## 701286 PRIMORIS VOLVO A40G 352491 - BRAKE COOLING SYSTEM



**Sample No:** VCP452262  
**Oil Type:** VOLVO WB 102  
**Job No:** 701286 PRIMORIS



### SAMPLE INFORMATION

Sample Number	<b>VCP452262</b>	VCP426338	VCP393787	VCP364342
Sample Date	<b>18 Apr 2024</b>	22 Sep 2023	25 Apr 2023	15 Aug 2022
Machine Hours	<b>5157</b>	4299	3617	2635
Oil Hours	<b>1000</b>	4299	3617	500
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	ABNORMAL	ABNORMAL	ABNORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>42.8</b>	44.2	39.4	39.5
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	<b>0.423</b>
Silicon	ppm	<b>14</b>	20	18	18
Sodium	ppm	<b>3</b>	7	7	10
Potassium	ppm	<b>0</b>	2	2	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>17</b>	24	20	15
Copper	ppm	<b>78</b>	319	307	268
Lead	ppm	<b>&lt;1</b>	<1	<1	<1
Tin	ppm	<b>&lt;1</b>	0	0	<1
Aluminum	ppm	<b>1</b>	2	0	1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	<1
Nickel	ppm	<b>1</b>	8	7	7
Titanium	ppm	<b>0</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>1</b>	1	2	1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3927</b>	3189	3386	3543
Magnesium	ppm	<b>25</b>	7	7	7
Zinc	ppm	<b>1638</b>	1420	1426	1564
Phosphorus	ppm	<b>1267</b>	1415	1302	1320
Barium	ppm	<b>0</b>	9	0	0
Boron	ppm	<b>135</b>	113	109	104

**Depot:** VOLVO0093  
**Unique No:** 11047535  
**Signed:** Sean Felton  
**Report Date:** 29 May 2024



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## VOLVO GRAPHS

