



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 353298 - DROP BOX



**Sample No:** VCP398311  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP398311</b>	VCP409191	VCP409155	VCP399511
Sample Date	<b>14 May 2024</b>	11 Mar 2024	21 Nov 2023	18 Sep 2023
Machine Hours	<b>2687</b>	2429	2027	1722
Oil Hours	<b>0</b>	0	2027	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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 BELLEVUE, IA  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>114</b>	111	120	113
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>12</b>	12	31	9
Sodium	ppm	<b>0</b>	0	0	0
Potassium	ppm	<b>2</b>	2	3	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>86</b>	119	112	70
Copper	ppm	<b>2</b>	2	1	2
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	<1	0	0
Aluminum	ppm	<b>3</b>	2	4	2
Chromium	ppm	<b>2</b>	2	2	1
Molybdenum	ppm	<b>8</b>	9	6	7
Nickel	ppm	<b>1</b>	<1	<1	<1
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>&lt;1</b>	0	0	0
Manganese	ppm	<b>2</b>	2	2	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>6</b>	20	16	14
Magnesium	ppm	<b>2</b>	1	5	1
Zinc	ppm	<b>49</b>	45	27	36
Phosphorus	ppm	<b>702</b>	700	566	601
Barium	ppm	<b>1</b>	0	0	<1
Boron	ppm	<b>37</b>	51	37	38

**Depot:** DUNBEL  
**Unique No:** 11097129  
**Signed:** Wes Davis  
**Report Date:** 25 Jun 2024



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## GRAPHS

