



# CONSTRUCTION EQUIPMENT

## VOLVO A25F 80196 - DROP BOX



**Sample No:** VCP416612  
**Oil Type:** GEAR OIL SAE 90W140  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP416612</b>	VCP369073	VCP341250	VCP256597
Sample Date	<b>09 Oct 2023</b>	25 May 2023	26 May 2022	09 Oct 2019
Machine Hours	<b>6660</b>	6433	5970	5449
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Not Changd
Sample Status	<b>ABNORMAL</b>	SEVERE	ABNORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>148</b>	359	2.49	59.6
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### CONTAMINATION

Water	%	<b>▲ 0.893</b>	5.11	---	---
Silicon	ppm	<b>7</b>	25	<b>▲ 67</b>	17
Sodium	ppm	<b>28</b>	127	1499	2
Potassium	ppm	<b>10</b>	45	499	3



### WEAR METALS

Iron	ppm	<b>20</b>	86	12	47
Copper	ppm	<b>&lt;1</b>	<1	<1	<1
Lead	ppm	<b>&lt;1</b>	<1	<1	1
Tin	ppm	<b>0</b>	2	<1	0
Aluminum	ppm	<b>2</b>	<1	<1	3
Chromium	ppm	<b>&lt;1</b>	<1	---	<1
Molybdenum	ppm	<b>6</b>	15	313	4
Nickel	ppm	<b>&lt;1</b>	0	---	<1
Titanium	ppm	<b>0</b>	<1	---	0
Silver	ppm	<b>0</b>	0	---	<1
Manganese	ppm	<b>&lt;1</b>	3	---	1
Vanadium	ppm	<b>0</b>	0	---	0



### ADDITIVES

Calcium	ppm	<b>50</b>	115	22	140
Magnesium	ppm	<b>24</b>	11	8	36
Zinc	ppm	<b>125</b>	105	3	348
Phosphorus	ppm	<b>936</b>	848	90	788
Barium	ppm	<b>0</b>	0	---	0
Boron	ppm	<b>43</b>	137	419	45

### Diagnosis

We advise that you check for the source of water entry. 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. There is a moderate concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** SAIBIR  
**Unique No:** 10709624  
**Signed:** Sean Felton  
**Report Date:** 25 Oct 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

