



# CONSTRUCTION EQUIPMENT

SWO073248 VOLVO A25F 80196 WET - DROP BOX



**Sample No:** VCP450609  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SWO073248



## SAMPLE INFORMATION

Sample Number	<b>VCP450609</b>	VCP442664	VCP416612	VCP369073
Sample Date	<b>01 Jul 2024</b>	08 Jan 2024	09 Oct 2023	25 May 2023
Machine Hours	<b>6835</b>	6669	6660	6433
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Changed
Sample Status	<b>MARGINAL</b>	NORMAL	ABNORMAL	SEVERE

**SAIIA CONSTRUCTION LLC**  
 4400 LEWISBURG RD  
 BIRMINGHAM, AL  
 US 35207  
 Contact: STEPHANI BRITTON  
 sbritton@saiia.com;doug.bogart@wearcheck.com  
 T: (205)943-2268  
 F: (205)943-2269



## OIL CONDITION

Visc @ 40°C	cSt	<b>134</b>	135	148	359
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## CONTAMINATION

Water	%	<b>▲ 0.228</b>	NEG	▲ 0.893	▲ 5.11
Silicon	ppm	<b>3</b>	3	7	25
Sodium	ppm	<b>6</b>	4	28	127
Potassium	ppm	<b>3</b>	0	10	45

**Diagnosis**  
 Resample at the next service interval to monitor. All component wear rates are normal. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	<b>10</b>	4	20	86
Copper	ppm	<b>1</b>	0	<1	<1
Lead	ppm	<b>&lt;1</b>	0	<1	<1
Tin	ppm	<b>0</b>	<1	0	2
Aluminum	ppm	<b>&lt;1</b>	0	2	<1
Chromium	ppm	<b>0</b>	0	<1	<1
Molybdenum	ppm	<b>2</b>	3	6	15
Nickel	ppm	<b>0</b>	0	<1	0
Titanium	ppm	<b>0</b>	<1	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>1</b>	0	<1	3
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>140</b>	34	50	115
Magnesium	ppm	<b>24</b>	19	24	11
Zinc	ppm	<b>197</b>	77	125	105
Phosphorus	ppm	<b>1083</b>	977	936	848
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>48</b>	63	43	137

**Depot:** SAIBIR  
**Unique No:** 11114044  
**Signed:** Don Baldrige  
**Report Date:** 10 Jul 2024



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## VOLVO GRAPHS

