



# CONSTRUCTION EQUIPMENT

SWO-065619 VOLVO A45G 353092 - DROP BOX



**Sample No:** VCP431089  
**Oil Type:** NOT GIVEN  
**Job No:** SWO-065619



## SAMPLE INFORMATION

Sample Number	<b>VCP431089</b>	VCP407514	VCP395496	VCP381244
Sample Date	<b>19 Sep 2023</b>	09 Jun 2023	23 Feb 2023	26 Oct 2022
Machine Hours	<b>2012</b>	1497	1000	571
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>ABNORMAL</b>	ABNORMAL	NORMAL	NORMAL

### SAIIA CONSTRUCTION LLC

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## OIL CONDITION

Visc @ 40°C	cSt	<b>45.5</b>	46.2	46.5	47.7
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## CONTAMINATION

Silicon	ppm	<b>▲ 60</b>	▲ 51	47	44
Sodium	ppm	8	9	10	5
Potassium	ppm	3	1	2	0



## WEAR METALS

Iron	ppm	<b>340</b>	189	102	72
Copper	ppm	20	11	8	6
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	1	0	<1	0
Chromium	ppm	2	2	1	<1
Molybdenum	ppm	7	7	5	7
Nickel	ppm	2	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	1
Manganese	ppm	8	4	2	3
Vanadium	ppm	0	0	<1	0



## ADDITIVES

Calcium	ppm	30	48	56	71
Magnesium	ppm	3	2	3	4
Zinc	ppm	138	102	96	84
Phosphorus	ppm	2511	2374	2292	2129
Barium	ppm	0	0	0	0
Boron	ppm	150	127	153	202

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.

**Depot:** SAIBIR  
**Unique No:** 10661340  
**Signed:** Don Baldrige  
**Report Date:** 26 Sep 2023



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## GRAPHS

