



# CONSTRUCTION EQUIPMENT

SWO-065663 VOLVO A45G 353090 - DROP BOX



**Sample No:** VCP432859  
**Oil Type:** NOT GIVEN  
**Job No:** SWO-065663



## SAMPLE INFORMATION

Sample Number	<b>VCP432859</b>	VCP407519	VCP395389	VCP388418
Sample Date	<b>19 Sep 2023</b>	09 Jun 2023	23 Feb 2023	17 Oct 2022
Machine Hours	<b>2023</b>	1481	1006	502
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	N/A
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>47.2</b>	45.6	47.3	47.8
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## CONTAMINATION

Silicon	ppm	<b>44</b>	42	37	27
Sodium	ppm	<b>8</b>	10	10	8
Potassium	ppm	<b>4</b>	1	2	0

## 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>190</b>	145	133	55
Copper	ppm	<b>17</b>	10	9	6
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>1</b>	0	<1	0
Chromium	ppm	<b>2</b>	2	2	0
Molybdenum	ppm	<b>6</b>	6	8	5
Nickel	ppm	<b>1</b>	<1	1	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>6</b>	4	3	2
Vanadium	ppm	<b>0</b>	0	<1	<1



## ADDITIVES

Calcium	ppm	<b>43</b>	52	57	29
Magnesium	ppm	<b>3</b>	2	3	0
Zinc	ppm	<b>121</b>	103	97	52
Phosphorus	ppm	<b>2174</b>	2385	2313	2139
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>136</b>	127	152	155

**Depot:** SAIBIR  
**Unique No:** 10661350  
**Signed:** Don Baldrige  
**Report Date:** 26 Sep 2023



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## GRAPHS

