



# CONSTRUCTION EQUIPMENT

SWO-070331 VOLVO A40F 11843 - BRAKE



**Sample No:** VCP452464  
**Oil Type:** {unknown}  
**Job No:** SWO-070331



## SAMPLE INFORMATION

Sample Number	<b>VCP452464</b>	VCP431894	VCP416402	VCP395372
Sample Date	<b>12 Mar 2024</b>	01 Nov 2023	02 Aug 2023	12 Apr 2023
Machine Hours	<b>7075</b>	6592	6103	5555
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	ABNORMAL

### SAIIA CONSTRUCTION LLC

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## OIL CONDITION

Visc @ 40°C	cSt	<b>51.4</b>	52.0	49.0	49.0
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>11</b>	11	13	13
Sodium	ppm	<b>3</b>	4	0	4
Potassium	ppm	<b>0</b>	0	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 fluid. The condition of the fluid is acceptable for the time in service.



## WEAR METALS

Iron	ppm	<b>15</b>	11	22	19
Copper	ppm	<b>133</b>	125	▲ 223	▲ 192
Lead	ppm	<b>1</b>	<1	<1	2
Tin	ppm	<b>0</b>	<1	0	0
Aluminum	ppm	<b>&lt;1</b>	1	1	0
Chromium	ppm	<b>0</b>	<1	<1	<1
Molybdenum	ppm	<b>5</b>	6	8	8
Nickel	ppm	<b>&lt;1</b>	1	2	2
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>0</b>	<1	1	2
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>3119</b>	3277	3325	3236
Magnesium	ppm	<b>53</b>	55	46	54
Zinc	ppm	<b>1286</b>	1397	1316	1360
Phosphorus	ppm	<b>994</b>	1114	1140	1107
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>95</b>	107	107	100

**Depot:** SAIBIR  
**Unique No:** 10930008  
**Signed:** Don Baldrige  
**Report Date:** 20 Mar 2024



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## VOLVO GRAPHS

