



# CONSTRUCTION EQUIPMENT

## SPM674531 VOLVO L180G 19305 - REAR AXLE



**Sample No:** VCP442832  
**Oil Type:** VOLVO WB 102  
**Job No:** SPM674531



### SAMPLE INFORMATION

Sample Number	<b>VCP442832</b>	VCP405664	VCP404608	VCP284689
Sample Date	<b>19 Feb 2024</b>	08 Aug 2023	03 May 2023	02 Jul 2020
Machine Hours	<b>22125</b>	21063	20781	18967
Oil Hours	<b>2000</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	N/A
Sample Status	<b>NORMAL</b>	ABNORMAL	ABNORMAL	ABNORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>43.2</b>	42.8	43.3	40.5
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>22</b>	31	23	12
Sodium	ppm	<b>4</b>	8	5	6
Potassium	ppm	<b>0</b>	<1	<1	3

### 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>37</b>	59	40	10
Copper	ppm	<b>0</b>	<1	2	<1
Lead	ppm	<b>0</b>	<1	0	<1
Tin	ppm	<b>0</b>	<1	0	0
Aluminum	ppm	<b>&lt;1</b>	3	<1	1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	3	3	<1
Nickel	ppm	<b>0</b>	0	0	<1
Titanium	ppm	<b>0</b>	<1	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>1</b>	2	2	<1
Vanadium	ppm	<b>0</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>3504</b>	4136	3935	4060
Magnesium	ppm	<b>22</b>	29	26	11
Zinc	ppm	<b>1346</b>	1615	1596	1518
Phosphorus	ppm	<b>1143</b>	1318	1270	1310
Barium	ppm	<b>0</b>	0	<1	0
Boron	ppm	<b>123</b>	179	131	118

**Depot:** COVJAM  
**Unique No:** 10896965  
**Signed:** Wes Davis  
**Report Date:** 26 Feb 2024



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## GRAPHS

