



# CONSTRUCTION EQUIPMENT

## SPM553978 US GYPSUM VOLVO L180H 5572 - FRONT AXLE



**Sample No:** VCP422597  
**Oil Type:** VOLVO WET BRAKE TRANSAXLE OIL  
**Job No:** SPM553978 US GYPSUM



### SAMPLE INFORMATION

Sample Number	<b>VCP422597</b>	VCP419983	VCP364845	VCP365815
Sample Date	<b>13 Jun 2023</b>	14 Mar 2023	24 Jan 2023	02 Nov 2022
Machine Hours	<b>4720</b>	4201	3714	3006
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>41.5</b>	43.1	42.8	42.0
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### CONTAMINATION

Silicon	ppm	<b>15</b>	15	19	15
Sodium	ppm	<b>3</b>	5	2	11
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 oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>44</b>	107	107	69
Copper	ppm	<b>1</b>	1	1	<1
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>&lt;1</b>	0	0	<1
Aluminum	ppm	<b>1</b>	2	2	2
Chromium	ppm	<b>1</b>	3	3	2
Molybdenum	ppm	<b>1</b>	4	3	4
Nickel	ppm	<b>0</b>	<1	<1	<1
Titanium	ppm	<b>&lt;1</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>2</b>	5	5	4
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3305</b>	4066	3960	4036
Magnesium	ppm	<b>17</b>	22	20	19
Zinc	ppm	<b>1403</b>	1569	1569	1611
Phosphorus	ppm	<b>1149</b>	1300	1249	1248
Barium	ppm	<b>2</b>	0	<1	0
Boron	ppm	<b>72</b>	139	139	129

**Depot:** VOLVO8885  
**Unique No:** 10548920  
**Signed:** Wes Davis  
**Report Date:** 10 Jul 2023



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## VOLVO GRAPHS

