



# CONSTRUCTION EQUIPMENT

## SPM606063 US GYPSUM VOLVO L180H 5572 - FRONT AXLE



**Sample No:** VCP425592  
**Oil Type:** VOLVO WET BRAKE TRANSAXLE OIL  
**Job No:** SPM606063 US GYPSUM



### SAMPLE INFORMATION

Sample Number	<b>VCP425592</b>	VCP422597	VCP419983	VCP364845
Sample Date	<b>12 Sep 2023</b>	13 Jun 2023	14 Mar 2023	24 Jan 2023
Machine Hours	<b>5421</b>	4720	4201	3714
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	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>41.1</b>	41.5	43.1	42.8
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### CONTAMINATION

Silicon	ppm	<b>12</b>	15	15	19
Sodium	ppm	<b>0</b>	3	5	2
Potassium	ppm	<b>2</b>	0	0	2



### WEAR METALS

Iron	ppm	<b>42</b>	44	107	107
Copper	ppm	<b>&lt;1</b>	1	1	1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	<1	0	0
Aluminum	ppm	<b>3</b>	1	2	2
Chromium	ppm	<b>&lt;1</b>	1	3	3
Molybdenum	ppm	<b>1</b>	1	4	3
Nickel	ppm	<b>0</b>	0	<1	<1
Titanium	ppm	<b>0</b>	<1	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	2	5	5
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3503</b>	3305	4066	3960
Magnesium	ppm	<b>11</b>	17	22	20
Zinc	ppm	<b>1533</b>	1403	1569	1569
Phosphorus	ppm	<b>1269</b>	1149	1300	1249
Barium	ppm	<b>0</b>	2	0	<1
Boron	ppm	<b>58</b>	72	139	139

### 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.

**Depot:** VOLVO8885  
**Unique No:** 10658494  
**Signed:** Don Baldrige  
**Report Date:** 22 Sep 2023



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## GRAPHS

