



# CONSTRUCTION EQUIPMENT

## SPM606063 US GYPSUM VOLVO L180H 5572 - REAR AXLE



**Sample No:** VCP425593  
**Oil Type:** VOLVO WET BRAKE TRANSAXLE OIL  
**Job No:** SPM606063 US GYPSUM



### SAMPLE INFORMATION

Sample Number	<b>VCP425593</b>	VCP422599	VCP419985	VCP363726
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>41.2</b>	42.9	42.6	43.0
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### CONTAMINATION

Silicon	ppm	<b>13</b>	13	14	14
Sodium	ppm	<b>0</b>	4	4	2
Potassium	ppm	<b>2</b>	0	0	0



### WEAR METALS

Iron	ppm	<b>46</b>	99	89	68
Copper	ppm	<b>&lt;1</b>	2	1	2
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>0</b>	<1	<1	0
Aluminum	ppm	<b>3</b>	1	2	1
Chromium	ppm	<b>1</b>	3	3	2
Molybdenum	ppm	<b>1</b>	3	3	3
Nickel	ppm	<b>0</b>	<1	0	0
Titanium	ppm	<b>0</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	5	4	4
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3494</b>	3299	3814	3692
Magnesium	ppm	<b>11</b>	22	20	19
Zinc	ppm	<b>1513</b>	1369	1563	1380
Phosphorus	ppm	<b>1267</b>	1098	1278	1150
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>59</b>	140	126	128

### 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:** 10658493  
**Signed:** Don Baldrige  
**Report Date:** 22 Sep 2023



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## VOLVO GRAPHS

