



# CONSTRUCTION EQUIPMENT

## A12573 VOLVO L180H 5740 - REAR AXLE



**Sample No:** VCP427214  
**Oil Type:** MOBIL WB 102  
**Job No:** A12573



### SAMPLE INFORMATION

Sample Number	<b>VCP427214</b>	VCP446006	VCP439304	VCP429682
Sample Date	<b>13 May 2024</b>	22 Mar 2024	24 Jan 2024	08 Dec 2023
Machine Hours	<b>2345</b>	1960	1505	1135
Oil Hours	<b>500</b>	0	1505	250
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	NORMAL

**WASTE MANAGEMENT - TELFORD**  
 400 PROGRESS DR  
 TELFORD, PA  
 US 18969-1191  
 Contact: EDWARD ROGENER  
 erogener@wm.com  
 T:  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>46.0</b>	43.7	43.2	43.9
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>13</b>	10	10	12
Sodium	ppm	<b>0</b>	<1	<1	<1
Potassium	ppm	<b>3</b>	0	0	<1

### 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>232</b>	180	16	97
Copper	ppm	<b>1</b>	0	0	0
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	0	<1
Aluminum	ppm	<b>2</b>	<1	0	1
Chromium	ppm	<b>3</b>	2	<1	2
Molybdenum	ppm	<b>6</b>	5	4	3
Nickel	ppm	<b>2</b>	<1	0	<1
Titanium	ppm	<b>&lt;1</b>	0	0	<1
Silver	ppm	<b>&lt;1</b>	0	0	0
Manganese	ppm	<b>5</b>	4	2	3
Vanadium	ppm	<b>&lt;1</b>	0	0	<1



### ADDITIVES

Calcium	ppm	<b>3270</b>	3141	3267	3200
Magnesium	ppm	<b>52</b>	50	54	61
Zinc	ppm	<b>1387</b>	1274	1472	1392
Phosphorus	ppm	<b>1254</b>	1055	1063	1148
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>108</b>	95	122	98

**Depot:** WASTEL  
**Unique No:** 11033060  
**Signed:** Wes Davis  
**Report Date:** 17 May 2024



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## VOLVO GRAPHS

