



# CONSTRUCTION EQUIPMENT

## A13000 VOLVO L180H 5740 - FRONT AXLE



**Sample No:** VCP445228  
**Oil Type:** MOBIL WB 102  
**Job No:** A13000



### SAMPLE INFORMATION

Sample Number	<b>VCP445228</b>	VCP430646	VCP445517	VCP432245
Sample Date	<b>09 Jul 2024</b>	13 May 2024	22 Mar 2024	24 Jan 2024
Machine Hours	<b>2800</b>	2345	1960	1505
Oil Hours	<b>2800</b>	500	0	500
Oil Changed	<b>Not Changd</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**WASTE MANAGEMENT - TELFORD**  
 400 PROGRESS DR  
 TELFORD, PA  
 US 18969-1191  
 Contact: EDWARD ROGENER  
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 T:  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>41.2</b>	41.3	42.8	43.2
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>10</b>	12	9	10
Sodium	ppm	<b>0</b>	0	<1	<1
Potassium	ppm	<b>2</b>	3	0	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>24</b>	24	18	16
Copper	ppm	<b>&lt;1</b>	1	0	0
Lead	ppm	<b>0</b>	<1	0	0
Tin	ppm	<b>&lt;1</b>	<1	0	0
Aluminum	ppm	<b>2</b>	2	<1	0
Chromium	ppm	<b>1</b>	1	<1	<1
Molybdenum	ppm	<b>4</b>	5	4	4
Nickel	ppm	<b>&lt;1</b>	<1	0	0
Titanium	ppm	<b>&lt;1</b>	<1	0	0
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	<b>3</b>	3	2	2
Vanadium	ppm	<b>0</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>3072</b>	3196	3109	3241
Magnesium	ppm	<b>48</b>	51	48	54
Zinc	ppm	<b>1323</b>	1370	1265	1467
Phosphorus	ppm	<b>1192</b>	1291	1051	1062
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>110</b>	115	93	123

**Depot:** WASTEL  
**Unique No:** 11125319  
**Signed:** Wes Davis  
**Report Date:** 16 Jul 2024



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## GRAPHS

