



# CONSTRUCTION EQUIPMENT

## VOLVO L180H 5290 - FRONT AXLE



**Sample No:** VCP312684  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP312684</b>	VCP343278	VCP377263	VCP377131
Sample Date	<b>07 Sep 2023</b>	19 Jun 2023	13 Mar 2023	21 Nov 2022
Machine Hours	<b>5994</b>	5464	4934	4347
Oil Hours	<b>530</b>	1117	587	1019
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>51.5</b>	49.0	50.3	50.9
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### CONTAMINATION

Silicon	ppm	<b>18</b>	17	16	14
Sodium	ppm	<b>2</b>	3	3	5
Potassium	ppm	<b>1</b>	0	0	2

### 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>21</b>	20	17	21
Copper	ppm	<b>&lt;1</b>	<1	0	<1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>3</b>	<1	1	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>1</b>	<1	1	1
Nickel	ppm	<b>&lt;1</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	1	1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3474</b>	3649	3527	3662
Magnesium	ppm	<b>20</b>	22	23	21
Zinc	ppm	<b>1465</b>	1418	1355	1425
Phosphorus	ppm	<b>1150</b>	1117	1090	1155
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>136</b>	131	126	115

**Depot:** SCHGRE  
**Unique No:** 10672284  
**Signed:** Wes Davis  
**Report Date:** 02 Oct 2023



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## VOLVO GRAPHS

