



# CONSTRUCTION EQUIPMENT

## VOLVO L180H 5290 - REAR AXLE



**Sample No:** VCP444785  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP444785</b>	VCP433659	VCP312991	VCP312691
Sample Date	<b>04 Jun 2024</b>	06 Mar 2024	13 Nov 2023	07 Sep 2023
Machine Hours	<b>7436</b>	6999	6425	5994
Oil Hours	<b>1011</b>	574	961	530
Oil Changed	<b>Changed</b>	Not Changd	Changed	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>50.1</b>	51.6	51.3	52.9
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>10</b>	12	12	12
Sodium	ppm	<b>0</b>	1	4	2
Potassium	ppm	<b>2</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>9</b>	2	6	8
Copper	ppm	<b>&lt;1</b>	0	<1	<1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>2</b>	<1	<1	2
Chromium	ppm	<b>&lt;1</b>	0	0	<1
Molybdenum	ppm	<b>1</b>	<1	<1	1
Nickel	ppm	<b>0</b>	0	0	<1
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3390</b>	3695	3371	3357
Magnesium	ppm	<b>13</b>	0	15	15
Zinc	ppm	<b>1397</b>	1474	1432	1441
Phosphorus	ppm	<b>1175</b>	1204	1136	1145
Barium	ppm	<b>&lt;1</b>	0	0	0
Boron	ppm	<b>116</b>	126	113	137

**Depot:** SCHGRE  
**Unique No:** 11085038  
**Signed:** Wes Davis  
**Report Date:** 19 Jun 2024



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## VOLVO GRAPHS

