



# CONSTRUCTION EQUIPMENT

## VOLVO L220H 2280 - REAR AXLE



**Sample No:** VCP400112  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP400112</b>	VCP429828	VCP371228	VCP394254
Sample Date	<b>26 Mar 2024</b>	26 Jan 2024	10 Oct 2023	27 Feb 2023
Machine Hours	<b>23153</b>	22180	21192	20011
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>56.0</b>	53.9	51.4	51.7
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>17</b>	18	19	17
Sodium	ppm	<b>1</b>	<1	<1	<1
Potassium	ppm	<b>0</b>	0	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>28</b>	53	66	53
Copper	ppm	<b>0</b>	0	0	<1
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>0</b>	<1	0	<1
Aluminum	ppm	<b>0</b>	<1	<1	<1
Chromium	ppm	<b>0</b>	<1	0	<1
Molybdenum	ppm	<b>5</b>	0	<1	4
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>&lt;1</b>	<1	<1	1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3389</b>	3330	3468	3336
Magnesium	ppm	<b>78</b>	22	36	42
Zinc	ppm	<b>1394</b>	1374	1457	1270
Phosphorus	ppm	<b>1200</b>	1144	1195	1017
Barium	ppm	<b>0</b>	0	<1	0
Boron	ppm	<b>119</b>	110	117	108

**Depot:** VOLVO1835  
**Unique No:** 10977802  
**Signed:** Wes Davis  
**Report Date:** 15 Apr 2024



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## VOLVO GRAPHS

