



# CONSTRUCTION EQUIPMENT

701266 RITCHIE VOLVO L120H 632683 - FRONT AXLE



**Sample No:** VCP446358  
**Oil Type:** VOLVO WB 102  
**Job No:** 701266 RITCHIE



## SAMPLE INFORMATION

Sample Number	<b>VCP446358</b>	VCP432665	VCP432731	VCP422232
Sample Date	<b>09 Apr 2024</b>	16 Jan 2024	31 Aug 2023	11 May 2023
Machine Hours	<b>5736</b>	5187	4522	4061
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>44.8</b>	44.8	44.6	53.5
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>11</b>	15	11	11
Sodium	ppm	<b>0</b>	2	0	2
Potassium	ppm	<b>0</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>10</b>	37	24	60
Copper	ppm	<b>0</b>	<1	0	0
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>0</b>	<1	0	<1
Aluminum	ppm	<b>&lt;1</b>	1	2	2
Chromium	ppm	<b>0</b>	<1	<1	2
Molybdenum	ppm	<b>7</b>	4	2	4
Nickel	ppm	<b>0</b>	0	0	<1
Titanium	ppm	<b>0</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	1	<1	3
Vanadium	ppm	<b>&lt;1</b>	<1	0	0



## ADDITIVES

Calcium	ppm	<b>3661</b>	3636	3887	3484
Magnesium	ppm	<b>84</b>	33	34	36
Zinc	ppm	<b>1591</b>	1429	1551	1406
Phosphorus	ppm	<b>1288</b>	1172	1231	1092
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>116</b>	115	124	79

**Depot:** VOLVO0096  
**Unique No:** 10980786  
**Signed:** Wes Davis  
**Report Date:** 17 Apr 2024



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## VOLVO GRAPHS

