



# CONSTRUCTION EQUIPMENT

279845 FERROUS VOLVO L90H 624915 - REAR AXLE



**Sample No:** VCP178290  
**Oil Type:** VOLVO WB 102  
**Job No:** 279845 FERROUS



## SAMPLE INFORMATION

Sample Number	<b>VCP178290</b>	VCP373028	VCP348924	VCP344805
Sample Date	<b>07 Jun 2023</b>	22 Jul 2022	05 Jan 2022	05 Oct 2021
Machine Hours	<b>3754</b>	2519	1575	1082
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	ABNORMAL

### ALTA EQUIPMENT COMPANY

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 DAVIE, FL  
 US 33314

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## OIL CONDITION

Visc @ 40°C	cSt	<b>42.3</b>	40.5	40.5	40.4
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>11</b>	16	10	10
Sodium	ppm	<b>0</b>	1	2	<1
Potassium	ppm	<b>2</b>	3	0	<1

## Diagnosis

No corrective action is recommended at this time. 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>57</b>	174	55	47
Copper	ppm	<b>32</b>	▲ 175	<1	1
Lead	ppm	<b>&lt;1</b>	2	0	<1
Tin	ppm	<b>3</b>	▲ 19	0	0
Aluminum	ppm	<b>&lt;1</b>	2	<1	4
Chromium	ppm	<b>1</b>	6	2	2
Molybdenum	ppm	<b>&lt;1</b>	4	9	10
Nickel	ppm	<b>&lt;1</b>	0	0	<1
Titanium	ppm	<b>0</b>	<1	0	<1
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	<b>2</b>	10	6	6
Vanadium	ppm	<b>0</b>	0	0	<1



## ADDITIVES

Calcium	ppm	<b>3975</b>	4382	4000	4190
Magnesium	ppm	<b>12</b>	12	8	8
Zinc	ppm	<b>1589</b>	1771	1469	1627
Phosphorus	ppm	<b>1299</b>	1396	1264	1313
Barium	ppm	<b>2</b>	2	0	0
Boron	ppm	<b>131</b>	159	142	132

**Depot:** VOLVO0095  
**Unique No:** 10511034  
**Signed:** Sean Felton  
**Report Date:** 14 Jun 2023



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## GRAPHS

