



# CONSTRUCTION EQUIPMENT

688690 VOLVO L150H 6059 - FRONT AXLE



**Sample No:** VCP440913  
**Oil Type:** VOLVO WB 102  
**Job No:** 688690



## SAMPLE INFORMATION

Sample Number	<b>VCP440913</b>	VCP429921	VCP412112	VCP393625
Sample Date	<b>25 Mar 2024</b>	30 Oct 2023	01 Jun 2023	28 Nov 2022
Machine Hours	<b>11465</b>	10424	9381	8099
Oil Hours	<b>1500</b>	2000	1381	2000
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Changed
Sample Status	<b>MARGINAL</b>	NORMAL	NORMAL	NORMAL

**PARAGON DEVELOPMENT GROUP**  
 402 N FRONTAGE RD  
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 US 33563  
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 T:  
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## OIL CONDITION

Visc @ 40°C	cSt	<b>42.5</b>	40.0	40.8	48.7
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## CONTAMINATION

Water	%	<b>0.390</b>	NEG	NEG	NEG
Silicon	ppm	<b>12</b>	6	7	13
Sodium	ppm	<b>0</b>	2	0	8
Potassium	ppm	<b>0</b>	<1	1	0

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	<b>32</b>	56	35	100
Copper	ppm	<b>2</b>	8	3	22
Lead	ppm	<b>0</b>	<1	0	2
Tin	ppm	<b>&lt;1</b>	<1	0	1
Aluminum	ppm	<b>&lt;1</b>	<1	0	1
Chromium	ppm	<b>&lt;1</b>	<1	<1	2
Molybdenum	ppm	<b>0</b>	<1	<1	2
Nickel	ppm	<b>0</b>	<1	<1	1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	2
Vanadium	ppm	<b>0</b>	<1	0	0



## ADDITIVES

Calcium	ppm	<b>3903</b>	2548	3155	4045
Magnesium	ppm	<b>12</b>	6	5	20
Zinc	ppm	<b>1591</b>	1306	1439	1537
Phosphorus	ppm	<b>1295</b>	1160	1245	1209
Barium	ppm	<b>&lt;1</b>	0	0	0
Boron	ppm	<b>126</b>	11	12	135

**Depot:** PARPLA  
**Unique No:** 11018973  
**Signed:** Don Baldrige  
**Report Date:** 10 May 2024



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## GRAPHS

