



# CONSTRUCTION EQUIPMENT

PRINCE VOLVO L90H 626620 - FRONT AXLE



**Sample No:** VCP440241  
**Oil Type:** VOLVO WB 102  
**Job No:** PRINCE



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC  
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## SAMPLE INFORMATION

Sample Number	<b>VCP440241</b>	VCP417589	---	---
Sample Date	<b>07 Jun 2024</b>	30 Jun 2023	---	---
Machine Hours	<b>3112</b>	1057	---	---
Oil Hours	<b>0</b>	1057	---	---
Oil Changed	<b>Not Chngd</b>	Changed	---	---
Sample Status	<b>ABNORMAL</b>	NORMAL	---	---



## OIL CONDITION

Visc @ 40°C	cSt	<b>43.4</b>	41.5	---	---
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## CONTAMINATION

Water	%	<b>0.447</b>	NEG	---	---
Silicon	ppm	<b>13</b>	22	---	---
Sodium	ppm	<b>0</b>	4	---	---
Potassium	ppm	<b>2</b>	0	---	---



## WEAR METALS

Iron	ppm	<b>26</b>	74	---	---
Copper	ppm	<b>&lt;1</b>	0	---	---
Lead	ppm	<b>&lt;1</b>	0	---	---
Tin	ppm	<b>&lt;1</b>	0	---	---
Aluminum	ppm	<b>2</b>	2	---	---
Chromium	ppm	<b>&lt;1</b>	4	---	---
Molybdenum	ppm	<b>1</b>	23	---	---
Nickel	ppm	<b>0</b>	0	---	---
Titanium	ppm	<b>&lt;1</b>	<1	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>1</b>	11	---	---
Vanadium	ppm	<b>0</b>	0	---	---



## ADDITIVES

Calcium	ppm	<b>3913</b>	4179	---	---
Magnesium	ppm	<b>15</b>	16	---	---
Zinc	ppm	<b>1576</b>	1729	---	---
Phosphorus	ppm	<b>1173</b>	1390	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>149</b>	150	---	---

## Diagnosis

We advise that you check for the source of water entry. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO0093  
**Unique No:** 11075556  
**Signed:** Don Baldrige  
**Report Date:** 14 Jun 2024



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## GRAPHS

