



# CONSTRUCTION EQUIPMENT

550601935 IAA VOLVO L90H 625921 - REAR AXLE



**Sample No:** VCP446693  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 550601935 IAA



**VCES- VOLVO CONSTRUCTION EQUIPMENT**  
 1944 MARINA BLVD  
 SAN LEANDRO, CA  
 US 94577  
 Contact: DAVE HILDEBRAND  
 david.hildebrand@vcesvolvo.com  
 T: (510)357-9131  
 F: (925)294-9240



## SAMPLE INFORMATION

Sample Number	<b>VCP446693</b>	VCP338532	VCP353887	---
Sample Date	<b>19 Mar 2024</b>	05 Jan 2023	13 May 2022	---
Machine Hours	<b>4452</b>	2195	1043	---
Oil Hours	<b>0</b>	0	1000	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---



## OIL CONDITION

Visc @ 40°C	cSt	<b>45.7</b>	41.7	39.3	---
-------------	-----	-------------	------	------	-----



## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>12</b>	13	10	---
Sodium	ppm	<b>0</b>	11	10	---
Potassium	ppm	<b>1</b>	0	0	---



## WEAR METALS

Iron	ppm	<b>29</b>	56	32	---
Copper	ppm	<b>14</b>	15	3	---
Lead	ppm	<b>&lt;1</b>	<1	0	---
Tin	ppm	<b>1</b>	1	0	---
Aluminum	ppm	<b>2</b>	1	<1	---
Chromium	ppm	<b>&lt;1</b>	2	1	---
Molybdenum	ppm	<b>4</b>	<1	5	---
Nickel	ppm	<b>&lt;1</b>	<1	0	---
Titanium	ppm	<b>&lt;1</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>1</b>	2	3	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>3707</b>	4204	4042	---
Magnesium	ppm	<b>50</b>	16	10	---
Zinc	ppm	<b>1515</b>	1650	1553	---
Phosphorus	ppm	<b>1174</b>	1316	1389	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>143</b>	128	123	---

## 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.

**Depot:** VOLVO4487  
**Unique No:** 10940906  
**Signed:** Don Baldrige  
**Report Date:** 26 Mar 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

