



# CONSTRUCTION EQUIPMENT

633743 PRIMORIS VOLVO SD115B 236663 - REAR AXLE



**Sample No:** VCP429926  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 633743 PRIMORIS



## SAMPLE INFORMATION

Sample Number	<b>VCP429926</b>	VCP376740	VCP286961	---
Sample Date	<b>28 Nov 2023</b>	26 Jul 2022	26 Oct 2020	---
Machine Hours	<b>4274</b>	2004	1017	---
Oil Hours	<b>1000</b>	1000	500	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

### RIPA AND ASSOCIATES

10149 FISHER AVENUE  
TAMPA, FL  
US 33619  
Contact: PM Services  
PMServices@ripaconstruction.com  
T:  
F:



## OIL CONDITION

Visc @ 40°C	cSt	<b>233</b>	233	146	---
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>20</b>	5	15	---
Sodium	ppm	<b>5</b>	2	6	---
Potassium	ppm	<b>2</b>	0	0	---



## WEAR METALS

Iron	ppm	<b>347</b>	33	154	---
Copper	ppm	<b>&lt;1</b>	<1	<1	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>0</b>	0	0	---
Aluminum	ppm	<b>2</b>	0	<1	---
Chromium	ppm	<b>2</b>	<1	2	---
Molybdenum	ppm	<b>4</b>	3	1	---
Nickel	ppm	<b>0</b>	0	<1	---
Titanium	ppm	<b>&lt;1</b>	0	<1	---
Silver	ppm	<b>0</b>	<1	<1	---
Manganese	ppm	<b>4</b>	2	5	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>145</b>	52	100	---
Magnesium	ppm	<b>57</b>	14	7	---
Zinc	ppm	<b>109</b>	45	63	---
Phosphorus	ppm	<b>1418</b>	996	1324	---
Barium	ppm	<b>3</b>	0	0	---
Boron	ppm	<b>159</b>	130	135	---

## 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:** RIPTAM  
**Unique No:** 10834516  
**Signed:** Sean Felton  
**Report Date:** 19 Jan 2024



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## GRAPHS

