



# CONSTRUCTION EQUIPMENT

619747 GREGCO VOLVO L959FSDL 640022 - REAR AXLE



**Sample No:** VCP429510  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 619747 GREGCO



## SAMPLE INFORMATION

Sample Number	<b>VCP429510</b>	VCP344329	---	---
Sample Date	<b>10 Oct 2023</b>	20 Oct 2021	---	---
Machine Hours	<b>3951</b>	1550	---	---
Oil Hours	<b>1000</b>	1500	---	---
Oil Changed	<b>Changed</b>	Changed	---	---
Sample Status	<b>NORMAL</b>	NORMAL	---	---

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC  
 8418 PALM RIVER ROAD  
 TAMPA, FL  
 US 33619  
 Contact: KENNY HANEY  
 khaney@flaglerce.com  
 T: (813)630-0077  
 F: (813)630-2233



## OIL CONDITION

Visc @ 40°C	cSt	<b>315</b>	137	---	---
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## CONTAMINATION

Water	%	<b>&lt;0.1</b>	<0.1	---	---
Silicon	ppm	<b>16</b>	6	---	---
Sodium	ppm	<b>2</b>	8	---	---
Potassium	ppm	<b>2</b>	5	---	---

## 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.



## WEAR METALS

Iron	ppm	<b>225</b>	510	---	---
Copper	ppm	<b>5</b>	32	---	---
Lead	ppm	<b>0</b>	0	---	---
Tin	ppm	<b>&lt;1</b>	0	---	---
Aluminum	ppm	<b>&lt;1</b>	1	---	---
Chromium	ppm	<b>1</b>	2	---	---
Molybdenum	ppm	<b>&lt;1</b>	0	---	---
Nickel	ppm	<b>0</b>	<1	---	---
Titanium	ppm	<b>0</b>	<1	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>2</b>	8	---	---
Vanadium	ppm	<b>&lt;1</b>	0	---	---



## ADDITIVES

Calcium	ppm	<b>53</b>	57	---	---
Magnesium	ppm	<b>7</b>	2	---	---
Zinc	ppm	<b>42</b>	57	---	---
Phosphorus	ppm	<b>1094</b>	938	---	---
Barium	ppm	<b>0</b>	2	---	---
Boron	ppm	<b>171</b>	88	---	---

**Depot:** VOLVO0093  
**Unique No:** 10742439  
**Signed:** Don Baldrige  
**Report Date:** 20 Nov 2023



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## VOLVO GRAPHS

