



# CONSTRUCTION EQUIPMENT

## 453366 VOLVO SD115B 236555 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP364305  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 453366



### SAMPLE INFORMATION

Sample Number	<b>VCP364305</b>	VCP342809	VCP288414	VCP262424
Sample Date	<b>14 Sep 2022</b>	30 Nov 2021	18 Jan 2021	09 Mar 2020
Machine Hours	<b>5481</b>	4650	3328	2324
Oil Hours	<b>1000</b>	1000	1000	1000
Oil Changed	<b>Not Chngd</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	ATTENTION	NORMAL	NORMAL

### RIPA AND ASSOCIATES

10149 FISHER AVENUE  
TAMPA, FL  
US 33619  
Contact: ROBERT TURNER  
rturner@ripatampa.com  
T:  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>230</b>	116	236	143
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>9</b>	9	5	10
Sodium	ppm	<b>&lt;1</b>	1	2	6
Potassium	ppm	<b>1</b>	0	20	<1

### 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>319</b>	236	82	211
Copper	ppm	<b>&lt;1</b>	22	<1	<1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	<1	0	<1
Aluminum	ppm	<b>0</b>	<1	<1	<1
Chromium	ppm	<b>2</b>	3	<1	2
Molybdenum	ppm	<b>2</b>	2	0	0
Nickel	ppm	<b>0</b>	2	0	<1
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>6</b>	6	2	6
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>58</b>	128	53	43
Magnesium	ppm	<b>10</b>	2	6	8
Zinc	ppm	<b>152</b>	65	37	37
Phosphorus	ppm	<b>1000</b>	1138	910	1182
Barium	ppm	<b>0</b>	0	1	2
Boron	ppm	<b>101</b>	174	85	68

**Depot:** RIPTAM  
**Unique No:** 10141278  
**Signed:** Wes Davis  
**Report Date:** 21 Sep 2022



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## GRAPHS

