



CONSTRUCTION EQUIPMENT

524790 VOLVO SD115B 236585 - REAR AXLE



Sample No: VCP394248
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 524790



SAMPLE INFORMATION

Sample Number	VCP394248	VCP362296	VCP291304	---
Sample Date	03 Mar 2023	28 Mar 2022	16 Nov 2020	---
Machine Hours	3197	2154	989	---
Oil Hours	1000	1000	989	---
Oil Changed	N/A	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

RIPA AND ASSOCIATES

10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: ROBERT TURNER
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 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	77.9	142	146	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	10	10	6	---
Sodium	ppm	4	5	2	---
Potassium	ppm	3	1	<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	332	181	76	---
Copper	ppm	<1	1	1	---
Lead	ppm	0	1	<1	---
Tin	ppm	0	<1	0	---
Aluminum	ppm	<1	1	0	---
Chromium	ppm	3	2	1	---
Molybdenum	ppm	<1	1	1	---
Nickel	ppm	0	<1	<1	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	12	0	---
Manganese	ppm	8	7	5	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	48	44	81	---
Magnesium	ppm	10	12	8	---
Zinc	ppm	72	59	37	---
Phosphorus	ppm	1794	1139	1254	---
Barium	ppm	0	<1	2	---
Boron	ppm	81	68	77	---

Depot: RIPTAM
Unique No: 10402852
Signed: Doug Bogart
Report Date: 07 Apr 2023



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GRAPHS

