



CONSTRUCTION EQUIPMENT

332144 VOLVO SD115B 236555 - REAR RIGHT FINAL DRIVE



Sample No: VCP342809
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 332144



SAMPLE INFORMATION

Sample Number	VCP342809	VCP288414	VCP262424	---
Sample Date	30 Nov 2021	18 Jan 2021	09 Mar 2020	---
Machine Hours	4650	3328	2324	---
Oil Hours	1000	1000	1000	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	ATTENTION	NORMAL	NORMAL	---

RIPA AND ASSOCIATES

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



OIL CONDITION

Visc @ 40°C	cSt	▲ 116	■ 236	143	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	■ 9	■ 5	■ 10	---
Sodium	ppm	■ 1	■ 2	■ 6	---
Potassium	ppm	■ 0	■ 20	■ <1	---

Diagnosis

The oil change at the time of sampling has been noted. 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 oil viscosity is lower than normal.



WEAR METALS

Iron	ppm	■ 236	■ 82	■ 211	---
Copper	ppm	■ 22	■ <1	■ <1	---
Lead	ppm	■ 0	■ 0	■ 0	---
Tin	ppm	■ <1	■ 0	■ <1	---
Aluminum	ppm	■ <1	■ <1	■ <1	---
Chromium	ppm	■ 3	■ <1	■ 2	---
Molybdenum	ppm	■ 2	■ 0	■ 0	---
Nickel	ppm	■ 2	■ 0	■ <1	---
Titanium	ppm	■ 0	■ 0	■ <1	---
Silver	ppm	■ 0	■ 0	■ 0	---
Manganese	ppm	■ 6	■ 2	■ 6	---
Vanadium	ppm	■ 0	■ 0	■ 0	---



ADDITIVES

Calcium	ppm	■ 128	■ 53	■ 43	---
Magnesium	ppm	■ 2	■ 6	■ 8	---
Zinc	ppm	■ 65	■ 37	■ 37	---
Phosphorus	ppm	■ 1138	■ 910	■ 1182	---
Barium	ppm	■ 0	■ 1	■ 2	---
Boron	ppm	■ 174	■ 85	■ 68	---

Depot: RIPTAM
Unique No: 9802584
Signed: Don Baldrige
Report Date: 07 Jan 2022



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GRAPHS

