



CONSTRUCTION EQUIPMENT

9147BO VOLVO EC220EL 314082 - REAR RIGHT FINAL DRIVE



Sample No: VCP335954
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 9147BO



SAMPLE INFORMATION

Sample Number	VCP335954	VCP305111	VCP296535	---
Sample Date	04 Nov 2021	23 Mar 2021	30 Dec 2020	---
Machine Hours	4319	3056	2582	---
Oil Hours	2000	0	0	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

LCSWMA - LANCASTER COUNTY SOLID WASTE
 1299 HARRISBURG PIKE
 LANCASTER, PA
 US 17604
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OIL CONDITION

Visc @ 40°C	cSt	170	169	167	---
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CONTAMINATION

Silicon	ppm	12	8	7	---
Sodium	ppm	4	3	4	---
Potassium	ppm	<1	8	2	---

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	494	280	280	---
Copper	ppm	<1	<1	<1	---
Lead	ppm	0	<1	<1	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	2	1	2	---
Chromium	ppm	5	3	3	---
Molybdenum	ppm	2	0	2	---
Nickel	ppm	0	<1	<1	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	<1	0	<1	---
Manganese	ppm	6	4	4	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	13	8	21	---
Magnesium	ppm	4	0	6	---
Zinc	ppm	30	20	30	---
Phosphorus	ppm	472	402	436	---
Barium	ppm	0	0	0	---
Boron	ppm	21	1	8	---

Depot: LANLANPA
Unique No: 9734023
Signed: Doug Bogart
Report Date: 09 Nov 2021



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GRAPHS

