



CONSTRUCTION EQUIPMENT

SPM594830 SEMINOLE C VOLVO EC350E 314333 - REAR LEFT FINAL DRIVE



Sample No: VCP412206
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SPM594830 SEMINOLE C



SAMPLE INFORMATION

Sample Number	VCP412206	VCP369894	VCP363868	---
Sample Date	21 Aug 2023	13 Dec 2022	29 Aug 2022	---
Machine Hours	2047	1042	630	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Not Changd	Changed	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	247	250	160	---
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CONTAMINATION

Silicon	ppm	56	23	26	---
Sodium	ppm	2	<1	<1	---
Potassium	ppm	0	0	2	---

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The chromium level is abnormal. All other 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	280	88	193	---
Copper	ppm	<1	<1	<1	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	5	3	5	---
Chromium	ppm	▲ 16	6	9	---
Molybdenum	ppm	9	8	<1	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	3	1	4	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	103	135	11	---
Magnesium	ppm	33	38	2	---
Zinc	ppm	81	90	6	---
Phosphorus	ppm	1021	941	295	---
Barium	ppm	0	0	0	---
Boron	ppm	116	145	<1	---

Depot: VOLVO0093
Unique No: 10621727
Signed: Don Baldrige
Report Date: 29 Aug 2023



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GRAPHS

