



CONSTRUCTION EQUIPMENT

SPM581123 VOLVO EC140EL 311517 - LEFT FINAL DRIVE



Sample No: VCP423229
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: SPM581123



SAMPLE INFORMATION

Sample Number	VCP423229	VCP410634	VCP330106	---
Sample Date	28 Jul 2023	13 Apr 2023	23 Mar 2022	---
Machine Hours	2507	2262	1740	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Changed	Not Chngd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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 5000 INDUSTRIAL HWY
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OIL CONDITION

Visc @ 40°C	cSt	189	172	118	---
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CONTAMINATION

Silicon	ppm	27	21	13	---
Sodium	ppm	0	2	3	---
Potassium	ppm	1	0	0	---



WEAR METALS

Iron	ppm	68	190	312	---
Copper	ppm	<1	1	2	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	2	2	3	---
Chromium	ppm	<1	2	4	---
Molybdenum	ppm	4	2	<1	---
Nickel	ppm	<1	<1	1	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	2	4	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	2918	2302	52	---
Magnesium	ppm	74	29	1	---
Zinc	ppm	1048	903	56	---
Phosphorus	ppm	893	978	1669	---
Barium	ppm	1	0	0	---
Boron	ppm	10	36	119	---

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.

Depot: VOLVO8885
Unique No: 10602454
Signed: Sean Felton
Report Date: 14 Aug 2023



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GRAPHS

