



CONSTRUCTION EQUIPMENT

SPM581123 ALPINE VOLVO EC140EL 311517 - RIGHT FINAL DRIVE



Sample No: VCP423226
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: SPM581123 ALPINE



SAMPLE INFORMATION

Sample Number	VCP423226	VCP411408	VCP361085	---
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	MARGINAL	---

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OIL CONDITION

Visc @ 40°C	cSt	190	169	121	---
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CONTAMINATION

Silicon	ppm	30	30	37	---
Sodium	ppm	0	3	3	---
Potassium	ppm	2	<1	<1	---



WEAR METALS

Iron	ppm	69	183	237	---
Copper	ppm	<1	2	2	---
Lead	ppm	<1	0	0	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	3	4	9	---
Chromium	ppm	<1	2	3	---
Molybdenum	ppm	3	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	2906	2040	47	---
Magnesium	ppm	66	29	10	---
Zinc	ppm	1040	793	35	---
Phosphorus	ppm	905	1035	1652	---
Barium	ppm	1	0	0	---
Boron	ppm	12	46	114	---

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: 10602459
Signed: Sean Felton
Report Date: 14 Aug 2023



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GRAPHS

