



CONSTRUCTION EQUIPMENT

SW-23802-2 CASTLE VA VOLVO EC480E 314667 - REAR LEFT FINAL DRIVE



Sample No: VCP412190
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: SW-23802-2 CASTLE VA



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SAMPLE INFORMATION

Sample Number	VCP412190	VCP396452	VCP346837	---
Sample Date	11 Sep 2023	17 Nov 2022	10 Mar 2022	---
Machine Hours	4022	2134	498	---
Oil Hours	2000	2134	498	---
Oil Changed	Changed	Changed	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	165	177	178	---
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CONTAMINATION

Silicon	ppm	15	9	27	---
Sodium	ppm	2	<1	3	---
Potassium	ppm	1	1	2	---



WEAR METALS

Iron	ppm	886	497	363	---
Copper	ppm	1	<1	<1	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	3	1	4	---
Chromium	ppm	6	5	6	---
Molybdenum	ppm	52	<1	2	---
Nickel	ppm	0	0	0	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	6	4	6	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	11	4	14	---
Magnesium	ppm	0	<1	1	---
Zinc	ppm	0	7	5	---
Phosphorus	ppm	737	185	338	---
Barium	ppm	0	0	0	---
Boron	ppm	83	2	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.

Depot: VOLVO8770
Unique No: 10655620
Signed: Sean Felton
Report Date: 20 Sep 2023



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GRAPHS

