



CONSTRUCTION EQUIPMENT

SW-26674-2 GRANT VOLVO EC480E 314608 - REAR LEFT FINAL DRIVE



Sample No: VCP434546
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: SW-26674-2 GRANT



SAMPLE INFORMATION

Sample Number	VCP434546	VCP399509	VCP346318	---
Sample Date	20 Nov 2023	10 Feb 2023	24 Oct 2022	---
Machine Hours	4022	2501	2062	---
Oil Hours	2000	440	0	---
Oil Changed	Changed	Not Changd	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	167	168	180	---
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CONTAMINATION

Water	%	0.108	NEG	NEG	---
Silicon	ppm	73	21	20	---
Sodium	ppm	4	1	2	---
Potassium	ppm	3	1	0	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. 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	1258	448	465	---
Copper	ppm	3	1	<1	---
Lead	ppm	0	0	0	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	12	4	2	---
Chromium	ppm	10	4	5	---
Molybdenum	ppm	43	49	<1	---
Nickel	ppm	<1	<1	0	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	8	4	5	---
Vanadium	ppm	<1	0	1	---



ADDITIVES

Calcium	ppm	137	74	0	---
Magnesium	ppm	6	4	0	---
Zinc	ppm	32	37	0	---
Phosphorus	ppm	730	625	187	---
Barium	ppm	1	<1	0	---
Boron	ppm	66	92	0	---

Depot: VOLVO8770
Unique No: 10763005
Signed: Wes Davis
Report Date: 30 Nov 2023



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GRAPHS

