



CONSTRUCTION EQUIPMENT

621739 VOLVO EC750 310137 - REAR RIGHT FINAL DRIVE



Sample No: VCP434783
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 621739



SAMPLE INFORMATION

Sample Number	VCP434783	VCP349224	VCP259848	---
Sample Date	30 Nov 2023	01 Mar 2022	25 Sep 2019	---
Machine Hours	6059	4065	528	---
Oil Hours	1000	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	SEVERE	SEVERE	NORMAL	---

BLAZE CONSTRUCTION

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 F:



OIL CONDITION

Visc @ 40°C	cSt	138	95.9	167	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	491	448	6	---
Sodium	ppm	12	8	0	---
Potassium	ppm	47	29	2	---

Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.



WEAR METALS

Iron	ppm	1301	635	100	---
Copper	ppm	2	1	<1	---
Lead	ppm	0	<1	<1	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	128	96	<1	---
Chromium	ppm	9	7	2	---
Molybdenum	ppm	2	18	0	---
Nickel	ppm	2	0	<1	---
Titanium	ppm	7	4	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	12	8	2	---
Vanadium	ppm	<1	<1	0	---



ADDITIVES

Calcium	ppm	230	830	18	---
Magnesium	ppm	90	228	0	---
Zinc	ppm	88	389	11	---
Phosphorus	ppm	1781	1437	350	---
Barium	ppm	0	0	13	---
Boron	ppm	91	103	0	---

Depot: BLADET
Unique No: 10779561
Signed: Don Baldrige
Report Date: 12 Dec 2023



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GRAPHS

