



CONSTRUCTION EQUIPMENT

621739 VOLVO EC750 310137 - REAR LEFT FINAL DRIVE



Sample No: VCP434765
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 621739



SAMPLE INFORMATION

Sample Number	VCP434765	VCP361870	VCP255627	---
Sample Date	30 Nov 2023	01 Mar 2022	25 Sep 2019	---
Machine Hours	6059	4065	528	---
Oil Hours	2000	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	SEVERE	SEVERE	NORMAL	---

BLAZE CONSTRUCTION

5640 ST JEAN ST
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 F:



OIL CONDITION

Visc @ 40°C	cSt	126	86.6	166	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	1397	609	7	---
Sodium	ppm	38	14	2	---
Potassium	ppm	91	40	0	---

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 advise that you inspect for the source(s) of wear. 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	3654	850	141	---
Copper	ppm	6	1	<1	---
Lead	ppm	0	<1	0	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	239	126	<1	---
Chromium	ppm	25	9	2	---
Molybdenum	ppm	8	23	0	---
Nickel	ppm	2	<1	<1	---
Titanium	ppm	12	6	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	29	11	3	---
Vanadium	ppm	<1	<1	0	---



ADDITIVES

Calcium	ppm	503	1152	4	---
Magnesium	ppm	168	307	0	---
Zinc	ppm	165	523	6	---
Phosphorus	ppm	1727	1253	421	---
Barium	ppm	2	0	11	---
Boron	ppm	110	95	4	---

Depot: BLADET
Unique No: 10779558
Signed: Don Baldrige
Report Date: 12 Dec 2023



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GRAPHS

