



CONSTRUCTION EQUIPMENT

730276 VOLVO ECR88D 212899 - REAR LEFT FINAL DRIVE



Sample No: VCP453544
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 730276



SAMPLE INFORMATION

Sample Number	VCP453544	VCP341113	---	---
Sample Date	18 Jun 2024	16 Jun 2022	---	---
Machine Hours	5977	3980	---	---
Oil Hours	2000	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	SEVERE	ABNORMAL	---	---

BLAZE CONSTRUCTION

5640 ST JEAN ST
 DETROIT, MI
 US 48213
 Contact: DAVE WARD
 dward@blazecontracting.net
 T: (248)632-2317
 F:



OIL CONDITION

Visc @ 40°C	cSt	■ 136	● 272	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	▲ 264	▲ 98	---	---
Sodium	ppm	■ 9	■ 3	---	---
Potassium	ppm	■ 16	■ 8	---	---

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	▲ 516	■ 404	---	---
Copper	ppm	■ 2	■ 1	---	---
Lead	ppm	■ 0	■ <1	---	---
Tin	ppm	■ 0	■ 0	---	---
Aluminum	ppm	● 37	● 20	---	---
Chromium	ppm	▲ 19	▲ 13	---	---
Molybdenum	ppm	■ 2	■ 1	---	---
Nickel	ppm	■ 1	0	---	---
Titanium	ppm	2	1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 6	■ 5	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	■ 114	■ 100	---	---
Magnesium	ppm	■ 39	■ 28	---	---
Zinc	ppm	■ 53	■ 43	---	---
Phosphorus	ppm	■ 894	■ 698	---	---
Barium	ppm	■ <1	■ 0	---	---
Boron	ppm	30	■ 80	---	---

Depot: BLADET
Unique No: 11089987
Signed: Sean Felton
Report Date: 24 Jun 2024



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GRAPHS

