



CONSTRUCTION EQUIPMENT

W125703 VOLVO EC380E 311723 - REAR RIGHT FINAL DRIVE



Sample No: VCP303033
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: W125703



SAMPLE INFORMATION

Sample Number	VCP303033	VCP275569	---	---
Sample Date	13 May 2021	26 Mar 2020	---	---
Machine Hours	2298	522	---	---
Oil Hours	1000	0	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

ALTA EQUIPMENT
 5985 COURT STREET ROAD
 SYRACUSE, NY
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OIL CONDITION

Visc @ 40°C	cSt	232	182	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	▲ 138	▲ 189	---	---
Sodium	ppm	■ 6	■ 10	---	---
Potassium	ppm	■ 12	■ 21	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	■ 496	■ 262	---	---
Copper	ppm	■ 2	■ <1	---	---
Lead	ppm	■ <1	■ 0	---	---
Tin	ppm	■ <1	■ 0	---	---
Aluminum	ppm	● 31	● 49	---	---
Chromium	ppm	■ 6	■ 4	---	---
Molybdenum	ppm	■ 5	0	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	2	3	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	■ 4	4	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	■ 150	126	---	---
Magnesium	ppm	■ 46	16	---	---
Zinc	ppm	■ 79	14	---	---
Phosphorus	ppm	■ 789	417	---	---
Barium	ppm	■ 0	2	---	---
Boron	ppm	■ 138	<1	---	---

Depot: VOLVO0142
Unique No: 9516125
Signed: Doug Bogart
Report Date: 25 May 2021



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GRAPHS

