



CONSTRUCTION EQUIPMENT

X48848 WASTE CONNECT VOLVO EC250EL 310261 - REAR RIGHT FINAL DRIVE



Sample No: VCP439914
Oil Type: VOLVO API GL-5 SAE 75W90
Job No: X48848 WASTE CONNECT



SAMPLE INFORMATION

Sample Number	VCP439914	VCP395117	---	---
Sample Date	29 Apr 2024	23 Feb 2023	---	---
Machine Hours	11643	10848	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	SEVERE	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 115	█ 180	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	▲ 242	█ 72	---	---
Sodium	ppm	█ 9	█ 3	---	---
Potassium	ppm	█ 4	█ 2	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. 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	▲ 669	█ 177	---	---
Copper	ppm	█ 2	█ <1	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	● 19	█ 8	---	---
Chromium	ppm	█ 7	█ 3	---	---
Molybdenum	ppm	█ 1	1	---	---
Nickel	ppm	█ 0	0	---	---
Titanium	ppm	3	1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 6	3	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 2376	2679	---	---
Magnesium	ppm	█ 13	18	---	---
Zinc	ppm	█ 943	1133	---	---
Phosphorus	ppm	█ 787	901	---	---
Barium	ppm	█ 0	0	---	---
Boron	ppm	█ 6	6	---	---

Depot: VOLVO6244
Unique No: 11008039
Signed: Jonathan Hester
Report Date: 07 May 2024



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GRAPHS

