



CONSTRUCTION EQUIPMENT

X10214 WCA001 VOLVO EC300DL 210381 - LEFT FINAL DRIVE



Sample No: VCP423452
Oil Type: NOT GIVEN
Job No: X10214 WCA001



SAMPLE INFORMATION

Sample Number	VCP423452	---	---	---
Sample Date	26 May 2023	---	---	---
Machine Hours	6326	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

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Contact: JAMES DOSS
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OIL CONDITION

Visc @ 40°C	cSt	■ 549	---	---	---
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CONTAMINATION

Water	%	◆ 2.76	---	---	---
Silicon	ppm	◆ 10000	---	---	---
Sodium	ppm	■ 81	---	---	---
Potassium	ppm	■ 349	---	---	---

Diagnosis

We advise that you check for the source of water entry. 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 advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The iron and chrome levels are severe. Gear wear is indicated. There is a high concentration of water present in the oil. 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	◆ 10000	---	---	---
Copper	ppm	■ 19	---	---	---
Lead	ppm	■ 3	---	---	---
Tin	ppm	■ 7	---	---	---
Aluminum	ppm	▲ 1000	---	---	---
Chromium	ppm	◆ 131	---	---	---
Molybdenum	ppm	19	---	---	---
Nickel	ppm	■ 13	---	---	---
Titanium	ppm	■ 118	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	111	---	---	---
Vanadium	ppm	5	---	---	---



ADDITIVES

Calcium	ppm	193	---	---	---
Magnesium	ppm	143	---	---	---
Zinc	ppm	15	---	---	---
Phosphorus	ppm	549	---	---	---
Barium	ppm	16	---	---	---
Boron	ppm	57	---	---	---

Depot: VOLVO1034
Unique No: 10508068
Signed: Don Baldrige
Report Date: 12 Jun 2023



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GRAPHS

