



CONSTRUCTION EQUIPMENT

VOLVO EC350EL 310558 - REAR LEFT FINAL DRIVE



Sample No: VCP0007509

Oil Type: {unknown}

Job No:



SAMPLE INFORMATION

Sample Number	VCP0007509	---	---	---
Sample Date	11 Aug 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

ALTA EQUIPMENT COMPANY
 8750 PHILIPS HWY
 JACKSONVILLE, FL
 US 32256
 Contact: TECHNICIAN ACCOUNT
 catherine.anastasio@wearcheck.com
 T:
 F: (904)737-1260



OIL CONDITION

Visc @ 40°C	cSt	■ 388	---	---	---
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CONTAMINATION

Water	%	▲ 0.459	---	---	---
Silicon	ppm	◆ 1426	---	---	---
Sodium	ppm	■ 69	---	---	---
Potassium	ppm	■ 19	---	---	---

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. Gear wear is indicated. There is a moderate 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	◆ 4249	---	---	---
Copper	ppm	■ 8	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	▲ 132	---	---	---
Chromium	ppm	◆ 62	---	---	---
Molybdenum	ppm	6	---	---	---
Nickel	ppm	■ 6	---	---	---
Titanium	ppm	■ 15	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	37	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	2649	---	---	---
Magnesium	ppm	104	---	---	---
Zinc	ppm	5	---	---	---
Phosphorus	ppm	645	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	72	---	---	---

Depot: VOLVO0092
Unique No: 10606415
Signed: Don Baldrige
Report Date: 17 Aug 2023



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GRAPHS

