



CONSTRUCTION EQUIPMENT

11556 SIOUX FALLS LF VOLVO EC350EL 310712 - BOGIE/CENTER RIGHT FINAL DRIVE



Sample No: VCE63919
Oil Type: GEAR OIL LS 80W90
Job No: 11556 SIOUX FALLS LF



SAMPLE INFORMATION

Sample Number	VCE63919	---	---	---
Sample Date	10 Nov 2023	---	---	---
Machine Hours	4790	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

TRANSOURCE TRUCK & EQUIPMENT

901 EAST 60TH STREET NORTH
 SIOUX FALLS, SD
 US 57104

Contact: NATHAN MATZEN
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OIL CONDITION

Visc @ 40°C	cSt	■ 157	---	---	---
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CONTAMINATION

Water	%	▲ 0.334	---	---	---
Silicon	ppm	◆ 2636	---	---	---
Sodium	ppm	■ 81	---	---	---
Potassium	ppm	■ 150	---	---	---

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 advise that you inspect for the source(s) of wear. 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. There is a light concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.



WEAR METALS

Iron	ppm	◆ 3718	---	---	---
Copper	ppm	■ 10	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	▲ 499	---	---	---
Chromium	ppm	◆ 39	---	---	---
Molybdenum	ppm	■ 6	---	---	---
Nickel	ppm	■ 7	---	---	---
Titanium	ppm	■ 25	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	45	---	---	---
Vanadium	ppm	2	---	---	---



ADDITIVES

Calcium	ppm	693	---	---	---
Magnesium	ppm	153	---	---	---
Zinc	ppm	■ 31	---	---	---
Phosphorus	ppm	■ 782	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 147	---	---	---

Depot: VOLVO0035
Unique No: 10751901
Signed: Jonathan Hester
Report Date: 22 Nov 2023



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GRAPHS

