



CONSTRUCTION EQUIPMENT

VOLVO EC350EL 314117 - FRONT RIGHT FINAL DRIVE



Sample No: VCP412913
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No:



SAMPLE INFORMATION

Sample Number	VCP412913	---	---	---
Sample Date	04 Oct 2023	---	---	---
Machine Hours	4656	---	---	---
Oil Hours	101	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

365 - ASCENDUM MACHINERY INC - SAVANNAH
 1627 DEAN FOREST RD
 SAVANNAH, GA
 US 31408
 Contact: NATHAN WAYMENT
 nathan.wayment@ascendummachinery.com
 T:
 F: (912)964-9515



OIL CONDITION

Visc @ 40°C	cSt	62.9	---	---	---
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CONTAMINATION

Water	%	1.48	---	---	---
Silicon	ppm	202	---	---	---
Sodium	ppm	8	---	---	---
Potassium	ppm	4	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. We advise that you check for the source of water entry. 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. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.



WEAR METALS

Iron	ppm	954	---	---	---
Copper	ppm	2	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	71	---	---	---
Chromium	ppm	11	---	---	---
Molybdenum	ppm	1	---	---	---
Nickel	ppm	2	---	---	---
Titanium	ppm	3	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	6	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	17	---	---	---
Magnesium	ppm	3	---	---	---
Zinc	ppm	27	---	---	---
Phosphorus	ppm	2240	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	101	---	---	---

Depot: VOLVO8531
Unique No: 10682947
Signed: Doug Bogart
Report Date: 15 Oct 2023



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GRAPHS

