



CONSTRUCTION EQUIPMENT

38552 VOLVO EC350EL 314117 - RIGHT FINAL DRIVE



Sample No: VCP315134
Oil Type: GEAR OIL SAE 80W90
Job No: 38552



SAMPLE INFORMATION

Sample Number	VCP315134	VCP310499	VCP306031	VCP291190
Sample Date	05 Aug 2021	29 Apr 2021	15 Feb 2021	17 Nov 2020
Machine Hours	2050	1550	1008	502
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	SEVERE	SEVERE	SEVERE	ABNORMAL

365 - ASCENDUM MACHINERY INC - SAVANNAH
 1627 DEAN FOREST RD
 SAVANNAH, GA
 US 31408
 Contact: JESSE WILSON
 jesse.wilson@ascendummachinery.com
 T:
 F: (912)964-9515



OIL CONDITION

Visc @ 40°C	cSt	191	263	191	89.3
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CONTAMINATION

Silicon	ppm	1113	1401	769	18
Sodium	ppm	5	3	2	3
Potassium	ppm	16	13	9	4



WEAR METALS

Iron	ppm	3694	3815	3848	19
Copper	ppm	6	7	7	283
Lead	ppm	<1	<1	<1	2
Tin	ppm	<1	<1	<1	1
Aluminum	ppm	131	142	66	1
Chromium	ppm	44	48	48	<1
Molybdenum	ppm	6	7	6	16
Nickel	ppm	4	4	4	1
Titanium	ppm	15	21	12	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	24	25	27	2
Vanadium	ppm	<1	<1	<1	0



ADDITIVES

Calcium	ppm	13	28	11	2228
Magnesium	ppm	6	8	4	99
Zinc	ppm	0	10	3	1089
Phosphorus	ppm	1047	929	811	921
Barium	ppm	0	0	0	0
Boron	ppm	187	155	103	7

Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. 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. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLVO8531
Unique No: 9623270
Signed: Jonathan Hester
Report Date: 19 Aug 2021



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GRAPHS

