



CONSTRUCTION EQUIPMENT

W02007469-2 VOLVO EC350EL 3 10856 - REAR RIGHT FINAL DRIVE



Sample No: VCP416138
Oil Type: MOBIL MOBILUBE HD 85W140
Job No: W02007469-2



SAMPLE INFORMATION

Sample Number	VCP416138	VCP361928	VCP278228	---
Sample Date	23 Aug 2023	17 Mar 2022	13 Aug 2020	---
Machine Hours	3993	1998	418	---
Oil Hours	2000	500	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	SEVERE	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	177	272	178	---
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CONTAMINATION

Silicon	ppm	2378	14	13	---
Sodium	ppm	12	0	4	---
Potassium	ppm	65	3	3	---



WEAR METALS

Iron	ppm	5205	109	375	---
Copper	ppm	11	<1	<1	---
Lead	ppm	0	0	<1	---
Tin	ppm	1	0	<1	---
Aluminum	ppm	337	2	0	---
Chromium	ppm	66	3	8	---
Molybdenum	ppm	20	5	<1	---
Nickel	ppm	5	0	<1	---
Titanium	ppm	43	<1	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	39	1	6	---
Vanadium	ppm	1	0	0	---



ADDITIVES

Calcium	ppm	497	170	9	---
Magnesium	ppm	154	49	3	---
Zinc	ppm	312	99	11	---
Phosphorus	ppm	1039	995	394	---
Barium	ppm	0	0	4	---
Boron	ppm	164	143	2	---

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: VOLVO0002
Unique No: 10620987
Signed: Don Baldrige
Report Date: 28 Aug 2023



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GRAPHS

