



CONSTRUCTION EQUIPMENT

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



Sample No: VCP418796
Oil Type: MOBIL MOBILUBE HD 85W140
Job No: W02007469-2



SAMPLE INFORMATION

Sample Number	VCP418796	VCP361938	VCP286022	---
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	179	266	178	---
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CONTAMINATION

Silicon	ppm	973	35	14	---
Sodium	ppm	6	0	3	---
Potassium	ppm	32	4	1	---



WEAR METALS

Iron	ppm	2385	184	391	---
Copper	ppm	5	<1	<1	---
Lead	ppm	0	0	0	---
Tin	ppm	<1	0	<1	---
Aluminum	ppm	165	9	0	---
Chromium	ppm	37	4	8	---
Molybdenum	ppm	17	5	<1	---
Nickel	ppm	3	0	<1	---
Titanium	ppm	18	<1	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	19	2	6	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	450	238	8	---
Magnesium	ppm	138	37	2	---
Zinc	ppm	298	117	4	---
Phosphorus	ppm	1034	1017	388	---
Barium	ppm	0	0	3	---
Boron	ppm	154	150	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: 10620986
Signed: Don Baldrige
Report Date: 28 Aug 2023



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GRAPHS

