



CONSTRUCTION EQUIPMENT

25641 VOLVO EC350E 314526 - REAR RIGHT FINAL DRIVE



Sample No: VCP451069
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No: 25641



SAMPLE INFORMATION

Sample Number	VCP451069	VCP05792359	---	---
Sample Date	16 May 2024	10 Mar 2023	---	---
Machine Hours	2086	400	---	---
Oil Hours	0	500	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	SEVERE	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	55.1	176	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	▲ 648	41	---	---
Sodium	ppm	2	1	---	---
Potassium	ppm	4	<1	---	---

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.



WEAR METALS

Iron	ppm	▲ 2403	316	---	---
Copper	ppm	5	0	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	● 90	7	---	---
Chromium	ppm	▲ 31	12	---	---
Molybdenum	ppm	4	<1	---	---
Nickel	ppm	2	0	---	---
Titanium	ppm	11	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	15	7	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	● 9	58	---	---
Magnesium	ppm	2	2	---	---
Zinc	ppm	6	13	---	---
Phosphorus	ppm	2241	300	---	---
Barium	ppm	0	0	---	---
Boron	ppm	187	<1	---	---

Depot: VOLVO3387
Unique No: 11043305
Signed: Don Baldrige
Report Date: 23 May 2024



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GRAPHS

