



CONSTRUCTION EQUIPMENT

23675 VOLVO EC250EL 314118 - REAR RIGHT FINAL DRIVE



Sample No: VCP404623
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No: 23675



SAMPLE INFORMATION

Sample Number	VCP404623	VCP339984	---	---
Sample Date	29 Jun 2023	01 Feb 2022	---	---
Machine Hours	2070	523	---	---
Oil Hours	1000	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	SEVERE	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	102	51.3	---	---
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CONTAMINATION

Silicon	ppm	812	1	---	---
Sodium	ppm	5	<1	---	---
Potassium	ppm	16	0	---	---

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	6116	2	---	---
Copper	ppm	7	0	---	---
Lead	ppm	0	0	---	---
Tin	ppm	1	0	---	---
Aluminum	ppm	101	0	---	---
Chromium	ppm	79	0	---	---
Molybdenum	ppm	12	<1	---	---
Nickel	ppm	5	0	---	---
Titanium	ppm	10	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	52	0	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	104	26	---	---
Magnesium	ppm	16	6	---	---
Zinc	ppm	40	16	---	---
Phosphorus	ppm	1889	2525	---	---
Barium	ppm	0	0	---	---
Boron	ppm	142	291	---	---

Depot: VOLVO3387
Unique No: 10548321
Signed: Don Baldrige
Report Date: 10 Jul 2023



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GRAPHS

