



CONSTRUCTION EQUIPMENT

23675 VOLVO EC250EL 314118 - REAR LEFT FINAL DRIVE



Sample No: VCP404629
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No: 23675



SAMPLE INFORMATION

Sample Number	VCP404629	VCP339788	---	---
Sample Date	24 Jun 2023	01 Feb 2022	---	---
Machine Hours	2070	523	---	---
Oil Hours	100	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	SEVERE	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	221	51.3	---	---
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CONTAMINATION

Silicon	ppm	1372	3	---	---
Sodium	ppm	8	<1	---	---
Potassium	ppm	25	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	7391	13	---	---
Copper	ppm	9	<1	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	1	<1	---	---
Aluminum	ppm	148	<1	---	---
Chromium	ppm	90	<1	---	---
Molybdenum	ppm	15	<1	---	---
Nickel	ppm	6	0	---	---
Titanium	ppm	14	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	66	<1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	170	26	---	---
Magnesium	ppm	22	6	---	---
Zinc	ppm	37	17	---	---
Phosphorus	ppm	1841	2460	---	---
Barium	ppm	<1	0	---	---
Boron	ppm	151	282	---	---

Depot: VOLVO3387
Unique No: 10548322
Signed: Don Baldrige
Report Date: 10 Jul 2023



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VOLVO GRAPHS

