



CONSTRUCTION EQUIPMENT

47578 VOLVO EC350EL 314401 - FRONT RIGHT FINAL DRIVE



Sample No: VCP417218
Oil Type: VOLVO 85W90
Job No: 47578



SAMPLE INFORMATION

Sample Number	VCP417218	---	---	---
Sample Date	14 Mar 2024	---	---	---
Machine Hours	1967	---	---	---
Oil Hours	500	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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 RICHMOND HILL, GA
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 jesse.wilson@ascendummachinery.com
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OIL CONDITION

Visc @ 40°C	cSt	● 51.7	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 160	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 0	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil viscosity is lower than normal. Confirm oil type.



WEAR METALS

Iron	ppm	■ 487	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	● 18	---	---	---
Chromium	ppm	■ 10	---	---	---
Molybdenum	ppm	1	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	3	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	6	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	2977	---	---	---
Magnesium	ppm	4	---	---	---
Zinc	ppm	1090	---	---	---
Phosphorus	ppm	1135	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	66	---	---	---

Depot: VOLVO8531
Unique No: 10980789
Signed: Don Baldrige
Report Date: 18 Apr 2024



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GRAPHS

