



CONSTRUCTION EQUIPMENT

VOLVO EC350E 310403 - SWING DRIVE



Sample No: ML0001571

Oil Type: {unknown}

Job No:



SAMPLE INFORMATION

Sample Number	ML0001571	---	---	---
Sample Date	23 May 2024	---	---	---
Machine Hours	9621	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

WILLIAM HAZEL

PO BOX 600

CHANTILLY, VA

US 20153

Contact: SERVICE MANAGER

jimmy_elswick@wahazel.com

T: (703)378-8300

F:



OIL CONDITION

Visc @ 40°C	cSt	█ 175	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 221	---	---	---
Sodium	ppm	█ 10	---	---	---
Potassium	ppm	█ 13	---	---	---



WEAR METALS

Iron	ppm	█ 539	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	● 54	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	6	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	6	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	17	---	---	---
Magnesium	ppm	10	---	---	---
Zinc	ppm	61	---	---	---
Phosphorus	ppm	413	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	<1	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

Depot: WILCHA

Unique No: 11056568

Signed: Sean Felton

Report Date: 31 May 2024

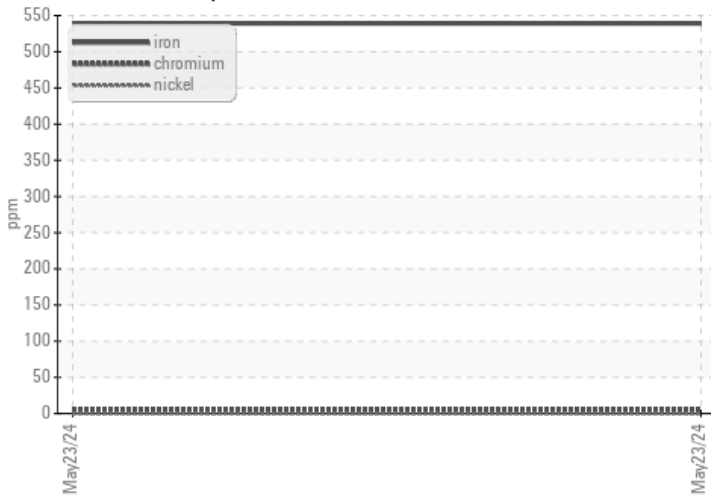


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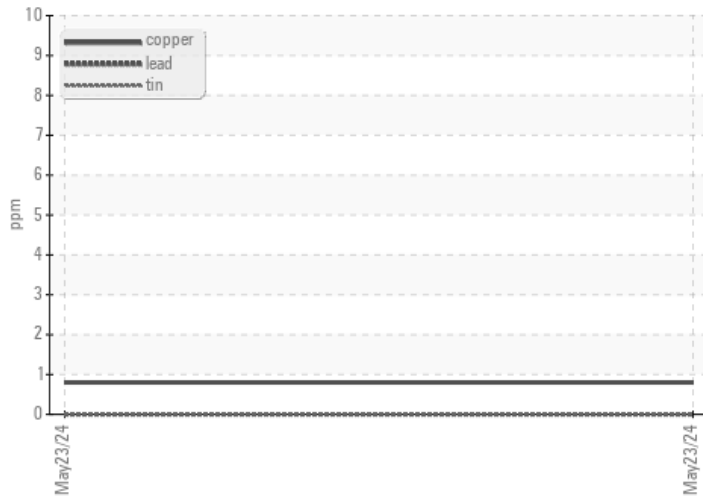


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

