



CONSTRUCTION EQUIPMENT

VOLVO EC220E 314249 - SWING DRIVE



Sample No: VCP388532

Oil Type: VOLVO 90W

Job No:



SAMPLE INFORMATION

Sample Number	VCP388532	---	---	---
Sample Date	07 Nov 2023	---	---	---
Machine Hours	1121	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	MARGINAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 168	---	---	---
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CONTAMINATION

Water	%	█ 0.112	---	---	---
Silicon	ppm	█ 16	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ <1	---	---	---



WEAR METALS

Iron	ppm	█ 689	---	---	---
Copper	ppm	█ 14	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 9	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	9	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	7	---	---	---
Magnesium	ppm	4	---	---	---
Zinc	ppm	51	---	---	---
Phosphorus	ppm	438	---	---	---
Barium	ppm	3	---	---	---
Boron	ppm	0	---	---	---



RECYCLE 1

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T:
F:

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of visible silt present in the sample. The condition of the oil is acceptable for the time in service.

Depot: RECHYA

Unique No: 10736948

Signed: Doug Bogart

Report Date: 22 Nov 2023



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GRAPHS

