



CONSTRUCTION EQUIPMENT

TRADE IN 374084 VOLVO EC220EL 310758 - SWING DRIVE



Sample No: VCP380179
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 374084



SAMPLE INFORMATION

Sample Number	VCP380179	---	---	---
Sample Date	08 Aug 2023	---	---	---
Machine Hours	8202	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

STRONGCO EQUIPMENT

54 IBER ROAD
OTTAWA, ON
CA K2S 1E8
Contact: Jason Hiles
jhiles@strongco.com
T:
F: (613)836-2614

OIL CONDITION

Visc @ 40°C	cSt	█ 172	---	---	---
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CONTAMINATION

Water	%	█ 0.017	---	---	---
Silicon	ppm	█ 25	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 2	---	---	---

WEAR METALS

Iron	ppm	█ 757	---	---	---
Copper	ppm	▲ 64	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	▲ 15	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ 13	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	10	---	---	---
Magnesium	ppm	█ 3	---	---	---
Zinc	ppm	█ 34	---	---	---
Phosphorus	ppm	586	---	---	---
Barium	ppm	█ 8	---	---	---
Boron	ppm	5	---	---	---

Diagnosis

We recommend that you drain the oil from the component if this has not already been done. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. Chromium and copper ppm levels are abnormal. Bearing and/or bushing wear is indicated. The water content is negligible. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: SHESTI
Unique No: 5620235
Signed: Kevin Marson
Report Date: 11 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

