



CONSTRUCTION EQUIPMENT

589948-20 VOLVO EC220 315909 - SWING DRIVE



Sample No: VCP439098
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 589948-20



SAMPLE INFORMATION

Sample Number	VCP439098	---	---	---
Sample Date	25 Jun 2024	---	---	---
Machine Hours	1238	---	---	---
Oil Hours	1238	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA EQUIPMENT COMPANY

5210 REESE ROAD
 DAVIE, FL
 US 33314

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 T: (954)581-4744
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OIL CONDITION

Visc @ 40°C	cSt	█ 173	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 22	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 1	---	---	---



WEAR METALS

Iron	ppm	█ 178	---	---	---
Copper	ppm	▲ 84	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 7	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 2	---	---	---
Magnesium	ppm	█ 2	---	---	---
Zinc	ppm	█ 60	---	---	---
Phosphorus	ppm	█ 393	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 6	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0095
Unique No: 11100804
Signed: Don Baldrige
Report Date: 29 Jun 2024



CONSTRUCTION EQUIPMENT



GRAPHS

