



CONSTRUCTION EQUIPMENT

305087 VOLVO EC380E 311590 - SWING DRIVE



Sample No: VCP273122
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 305087



SAMPLE INFORMATION

Sample Number	VCP273122	---	---	---
Sample Date	12 Nov 2021	---	---	---
Machine Hours	3312	---	---	---
Oil Hours	303	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 131	---	---	---
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CONTAMINATION

Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ <1	---	---	---

WEAR METALS

Iron	ppm	█ 25	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	2	---	---	---
Magnesium	ppm	█ <1	---	---	---
Zinc	ppm	3	---	---	---
Phosphorus	ppm	█ 1215	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 216	---	---	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO3908
Unique No: 5331683
Signed: Wes Davis
Report Date: 23 Dec 2021



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GRAPHS

