



CONSTRUCTION EQUIPMENT

X14145 ATOMIC VOLVO EC220EL 314686 - SWING DRIVE



Sample No: VCP399195
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: X14145 ATOMIC



SAMPLE INFORMATION

Sample Number	VCP399195	---	---	---
Sample Date	15 May 2024	---	---	---
Machine Hours	3415	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 143	---	---	---
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CONTAMINATION

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

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 11	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 21	---	---	---
Magnesium	ppm	█ 7	---	---	---
Zinc	ppm	█ 20	---	---	---
Phosphorus	ppm	█ 799	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	57	---	---	---

Depot: VOLVO6241
Unique No: 11036052
Signed: Wes Davis
Report Date: 22 May 2024



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GRAPHS

