



CONSTRUCTION EQUIPMENT

SW1028515 VOLVO EC220EL 314053 - SWING DRIVE



Sample No: VCP444489
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: SW1028515



SAMPLE INFORMATION

Sample Number	VCP444489	VCP319104	---	---
Sample Date	06 Feb 2024	17 Sep 2021	---	---
Machine Hours	0	2358	---	---
Oil Hours	0	2358	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 139	█ 176	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	█ 4	█ 18	---	---
Sodium	ppm	█ <1	█ 2	---	---
Potassium	ppm	█ 0	█ <1	---	---

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	█ 65	█ 157	---	---
Copper	ppm	█ 9	█ 29	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	<1	---	---
Aluminum	ppm	█ 0	3	---	---
Chromium	ppm	█ <1	2	---	---
Molybdenum	ppm	█ 0	█ <1	---	---
Nickel	ppm	█ 0	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 1	█ 3	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 19	█ 4	---	---
Magnesium	ppm	█ 9	█ <1	---	---
Zinc	ppm	15	█ 20	---	---
Phosphorus	ppm	█ 936	█ 444	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 192	█ 5	---	---

Depot: VOLVO8770
Unique No: 10873858
Signed: Wes Davis
Report Date: 13 Feb 2024



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GRAPHS

