



CONSTRUCTION EQUIPMENT

SPM621864 VOLVO EC300EL 312535 - SWING DRIVE



Sample No: VCP433439
Oil Type: GEAR OIL SAE 80W90
Job No: SPM621864



SAMPLE INFORMATION

Sample Number	VCP433439	VCP358415	---	---
Sample Date	07 Nov 2023	22 Apr 2022	---	---
Machine Hours	3045	2032	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ATTENTION	NORMAL	---	---

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 1685 N STATE RTE 50
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OIL CONDITION

Visc @ 40°C	cSt	182	145	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	15	4	---	---
Sodium	ppm	0	<1	---	---
Potassium	ppm	2	0	---	---

Diagnosis

The oil change at the time of sampling has been noted. 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.



WEAR METALS

Iron	ppm	106	166	---	---
Copper	ppm	6	5	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	1	<1	---	---
Chromium	ppm	1	2	---	---
Molybdenum	ppm	4	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	1	2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	▲ 2490	21	---	---
Magnesium	ppm	39	<1	---	---
Zinc	ppm	▲ 933	10	---	---
Phosphorus	ppm	848	689	---	---
Barium	ppm	0	0	---	---
Boron	ppm	23	86	---	---

Depot: BELBOU
Unique No: 10751924
Signed: Jonathan Hester
Report Date: 22 Nov 2023



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GRAPHS

