



CONSTRUCTION EQUIPMENT

8-348658 VOLVO EC480E 310415 - REAR LEFT FINAL DRIVE



Sample No: VCP380939
Oil Type: GEAR OIL SAE 80W140
Job No: 8-348658



SAMPLE INFORMATION

Sample Number	VCP380939	VCP298397	VCP232945	---
Sample Date	14 Dec 2022	10 Aug 2021	19 Nov 2019	---
Machine Hours	6005	3998	1980	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	70.9	177	266	---
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CONTAMINATION

Silicon	ppm	66	354	83	---
Sodium	ppm	5	23	10	---
Potassium	ppm	4	24	6	---



WEAR METALS

PQ		89	---	---	---
Iron	ppm	1616	1771	381	---
Copper	ppm	6	4	1	---
Lead	ppm	3	5	<1	---
Tin	ppm	0	<1	0	---
Aluminum	ppm	17	87	17	---
Chromium	ppm	10	23	9	---
Molybdenum	ppm	1	2	1	---
Nickel	ppm	1	1	<1	---
Titanium	ppm	2	8	2	---
Silver	ppm	0	<1	0	---
Manganese	ppm	13	30	7	---
Vanadium	ppm	<1	<1	<1	---



ADDITIVES

Calcium	ppm	123	546	142	---
Magnesium	ppm	15	58	21	---
Zinc	ppm	46	43	39	---
Phosphorus	ppm	1835	969	765	---
Barium	ppm	0	3	2	---
Boron	ppm	39	131	75	---

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. Viscosity of sample indicates oil is within SAE 80 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: LAKWHI
Unique No: 5503699
Signed: Kevin Marson
Report Date: 29 Dec 2022



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GRAPHS

