



CONSTRUCTION EQUIPMENT

8-348658 VOLVO EC480E 310415 - LEFT SWING DRIVE



Sample No: VCP380918
Oil Type: GEAR OIL SAE 80W90
Job No: 8-348658



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SAMPLE INFORMATION

Sample Number	VCP380918	VCP298398	VCP232971	---
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	---



OIL CONDITION

Visc @ 40°C	cSt	56.7	143	166	---
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CONTAMINATION

Silicon	ppm	3	5	4	---
Sodium	ppm	3	<1	0	---
Potassium	ppm	1	<1	<1	---



WEAR METALS

Iron	ppm	26	45	35	---
Copper	ppm	3	4	4	---
Lead	ppm	0	<1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	<1	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	102	8	8	---
Magnesium	ppm	1	<1	2	---
Zinc	ppm	42	6	10	---
Phosphorus	ppm	2251	1054	1000	---
Barium	ppm	0	0	<1	---
Boron	ppm	242	179	164	---

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: 5503701
Signed: Kevin Marson
Report Date: 29 Dec 2022



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GRAPHS

