



CONSTRUCTION EQUIPMENT

SPM634237 MIDWEST IN VOLVO EC480EL 314792 - RIGHT SWING DRIVE



Sample No: VCP429125
Oil Type: GEAR OIL SAE 80W90
Job No: SPM634237 MIDWEST IN



SAMPLE INFORMATION

Sample Number	VCP429125	VCP409263	VCP404087	VCP369245
Sample Date	10 Nov 2023	07 Jul 2023	21 Apr 2023	26 Jan 2023
Machine Hours	1073	2503	1993	1441
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SIMS METAL MANAGEMENT

2500 S. PAULINA
 CHICAGO, IL
 US 60608
 Contact: RYAN WISE
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OIL CONDITION

Visc @ 40°C	cSt	161	184	159	160
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	24	17	19	19
Sodium	ppm	22	0	4	3
Potassium	ppm	5	0	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	345	23	189	194
Copper	ppm	1	4	14	16
Lead	ppm	0	<1	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	4	<1	1	0
Chromium	ppm	12	<1	3	3
Molybdenum	ppm	<1	3	<1	<1
Nickel	ppm	2	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	9	<1	4	4
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	67	2678	8	13
Magnesium	ppm	4	66	<1	1
Zinc	ppm	16	976	19	20
Phosphorus	ppm	381	801	325	309
Barium	ppm	5	0	1	5
Boron	ppm	<1	4	0	0

Depot: SIMCHIL
Unique No: 10767327
Signed: Sean Felton
Report Date: 05 Dec 2023



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GRAPHS

