



CONSTRUCTION EQUIPMENT

SPM717168 VOLVO EC480EL 314792 - RIGHT SWING DRIVE



Sample No: VCP379244
Oil Type: GEAR OIL SAE 80W90
Job No: SPM717168



SAMPLE INFORMATION

Sample Number	VCP379244	VCP429125	VCP409263	VCP404087
Sample Date	07 Jun 2024	10 Nov 2023	07 Jul 2023	21 Apr 2023
Machine Hours	3996	1073	2503	1993
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL

SIMS METAL MANAGEMENT

2500 S. PAULINA
 CHICAGO, IL
 US 60608
 Contact: RYAN WISE
 ryan.wise@simsmm.com
 T:
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OIL CONDITION

Visc @ 40°C	cSt	186	161	184	159
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	25	24	17	19
Sodium	ppm	3	22	0	4
Potassium	ppm	<1	5	0	0



WEAR METALS

Iron	ppm	2	345	23	189
Copper	ppm	<1	1	4	14
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	1	4	<1	1
Chromium	ppm	0	12	<1	3
Molybdenum	ppm	5	<1	3	<1
Nickel	ppm	0	2	0	0
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	9	<1	4
Vanadium	ppm	<1	0	<1	0



ADDITIVES

Calcium	ppm	4528	67	2678	8
Magnesium	ppm	56	4	66	<1
Zinc	ppm	1901	16	976	19
Phosphorus	ppm	1536	381	801	325
Barium	ppm	0	5	0	1
Boron	ppm	68	<1	4	0

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. 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.

Depot: SIMCHIL
Unique No: 11087925
Signed: Sean Felton
Report Date: 21 Jun 2024



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GRAPHS

