



CONSTRUCTION EQUIPMENT

SPM579512 VOLVO EC480EL 314792 - RIGHT SWING DRIVE



Sample No: VCP409263
Oil Type: GEAR OIL SAE 80W90
Job No: SPM579512



SAMPLE INFORMATION

Sample Number	VCP409263	VCP404087	VCP369245	---
Sample Date	07 Jul 2023	21 Apr 2023	26 Jan 2023	---
Machine Hours	2503	1993	1441	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Changed	Not Chngd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

SIMS METAL MANAGEMENT

2500 S. PAULINA
CHICAGO, IL
US 60608

Contact: RYAN WISE
ryan.wise@simsmm.com

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OIL CONDITION

Visc @ 40°C	cSt	184	159	160	---
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CONTAMINATION

Silicon	ppm	17	19	19	---
Sodium	ppm	0	4	3	---
Potassium	ppm	0	0	1	---



WEAR METALS

Iron	ppm	23	189	194	---
Copper	ppm	4	14	16	---
Lead	ppm	<1	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	1	0	---
Chromium	ppm	<1	3	3	---
Molybdenum	ppm	3	<1	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	4	4	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	2678	8	13	---
Magnesium	ppm	66	<1	1	---
Zinc	ppm	976	19	20	---
Phosphorus	ppm	801	325	309	---
Barium	ppm	0	1	5	---
Boron	ppm	4	0	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. The condition of the oil is acceptable for the time in service.

Depot: SIMCHIL
Unique No: 10560798
Signed: Don Baldrige
Report Date: 18 Jul 2023



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GRAPHS

