



CONSTRUCTION EQUIPMENT

SPM632787 VOLVO EC480E 314792 - RIGHT FINAL DRIVE



Sample No: VCP409255
Oil Type: GEAR OIL SAE 80W90
Job No: SPM632787



SAMPLE INFORMATION

Sample Number	VCP409255	VCP408117	VCP404073	---
Sample Date	02 Nov 2023	07 Jul 2023	21 Apr 2023	---
Machine Hours	3011	2503	1993	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

SIMS METAL MANAGEMENT

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



OIL CONDITION

Visc @ 40°C	cSt	160	189	185	---
-------------	-----	------------	-----	-----	-----



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	12	34	39	---
Sodium	ppm	12	<1	2	---
Potassium	ppm	3	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	185	179	333	---
Copper	ppm	<1	<1	0	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	2	4	9	---
Chromium	ppm	6	2	6	---
Molybdenum	ppm	<1	3	2	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	6	3	5	---
Vanadium	ppm	0	<1	0	---



ADDITIVES

Calcium	ppm	28	2981	2390	---
Magnesium	ppm	2	71	46	---
Zinc	ppm	4	1065	794	---
Phosphorus	ppm	291	870	732	---
Barium	ppm	4	0	0	---
Boron	ppm	0	4	2	---

Depot: SIMCHIL
Unique No: 10767323
Signed: Sean Felton
Report Date: 05 Dec 2023



CONSTRUCTION EQUIPMENT



GRAPHS

