



CONSTRUCTION EQUIPMENT

VOLVO EC480E 314146 - RIGHT SWING DRIVE



Sample No: VCP441304
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP441304	VCP419212	VCP424675	VCP371500
Sample Date	31 Jan 2024	28 Aug 2023	03 May 2023	17 Jan 2023
Machine Hours	6892	6421	5940	5434
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

4400 LEWISBURG RD
 BIRMINGHAM, AL
 US 35207
 Contact: STEPHANI BRITTON
 sbritton@saiia.com;doug.bogart@wearcheck.com
 T: (205)943-2268
 F: (205)943-2269



OIL CONDITION

Visc @ 40°C	cSt	268	269	133	131
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	23	14	3	4
Sodium	ppm	0	<1	0	1
Potassium	ppm	2	1	1	0



WEAR METALS

Iron	ppm	396	571	33	164
Copper	ppm	12	12	2	4
Lead	ppm	<1	<1	<1	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	6	5	1	1
Chromium	ppm	4	5	<1	2
Molybdenum	ppm	5	3	3	3
Nickel	ppm	1	<1	<1	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	4	4	<1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	106	71	25	37
Magnesium	ppm	29	19	24	24
Zinc	ppm	108	98	165	84
Phosphorus	ppm	1540	1060	906	868
Barium	ppm	0	0	0	<1
Boron	ppm	194	137	20	45

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. Confirm oil type. The condition of the oil is acceptable for the time in service.

Depot: SAIBIR
Unique No: 10872531
Signed: Don Baldrige
Report Date: 12 Feb 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

