



CONSTRUCTION EQUIPMENT

SWO-072820 VOLVO EC480E 314146 - REAR LEFT FINAL DRIVE



Sample No: VCP443970
Oil Type: GEAR OIL SAE 80W90
Job No: SWO-072820



SAMPLE INFORMATION

Sample Number	VCP443970	VCP440678	VCP419105	VCP424709
Sample Date	12 Jun 2024	31 Jan 2024	28 Aug 2023	03 May 2023
Machine Hours	7399	6892	6421	5940
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Changed	Changed
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	141	153	222	131
-------------	-----	------------	-----	-----	-----



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	8	5	7	5
Sodium	ppm	<1	0	<1	2
Potassium	ppm	<1	0	<1	<1



WEAR METALS

Iron	ppm	54	43	50	65
Copper	ppm	<1	<1	0	1
Lead	ppm	<1	<1	0	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	2	<1	1	<1
Chromium	ppm	2	1	<1	1
Molybdenum	ppm	3	3	1	3
Nickel	ppm	<1	<1	0	0
Titanium	ppm	<1	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	39	46	67	24
Magnesium	ppm	18	23	24	26
Zinc	ppm	78	65	69	76
Phosphorus	ppm	813	1065	1002	940
Barium	ppm	0	0	0	0
Boron	ppm	62	88	137	40

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: SAIBIR
Unique No: 11085013
Signed: Don Baldrige
Report Date: 19 Jun 2024



CONSTRUCTION EQUIPMENT



GRAPHS

