



CONSTRUCTION EQUIPMENT

VOLVO EC480EL 314981 - REAR LEFT FINAL DRIVE



Sample No: VCP432203
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP432203	VCP433862	VCP369500	VCP405901
Sample Date	07 Feb 2024	23 Oct 2023	07 Aug 2023	07 Jun 2023
Machine Hours	2922	2416	1929	1475
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	ATTENTION

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	126	114	54.6	52.5
-------------	-----	------------	-----	------	------

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	13	15	21	13
Sodium	ppm	0	2	0	1
Potassium	ppm	1	<1	2	<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	264	826	962	459
Copper	ppm	<1	3	2	0
Lead	ppm	<1	0	<1	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	1	1	4	3
Chromium	ppm	3	4	8	6
Molybdenum	ppm	3	1	3	3
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	2	4	6	3
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	51	47	38	34
Magnesium	ppm	21	32	18	19
Zinc	ppm	70	68	74	62
Phosphorus	ppm	926	896	802	848
Barium	ppm	0	0	2	0
Boron	ppm	57	47	42	42

Depot: SAIBIR
Unique No: 10883441
Signed: Don Baldrige
Report Date: 17 Feb 2024



CONSTRUCTION EQUIPMENT



GRAPHS

