



CONSTRUCTION EQUIPMENT

VOLVO EC480E 314146 - LEFT SWING DRIVE



Sample No: VCP441305
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP441305	VCP419104	VCP403631	VCP371260
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

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OIL CONDITION

Visc @ 40°C	cSt	303	267	133	132
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	21	8	4	2
Sodium	ppm	0	<1	<1	<1
Potassium	ppm	2	<1	0	0



WEAR METALS

Iron	ppm	762	216	237	76
Copper	ppm	21	3	6	2
Lead	ppm	<1	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	5	2	0	<1
Chromium	ppm	8	2	2	<1
Molybdenum	ppm	6	1	3	3
Nickel	ppm	1	0	0	0
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	7	2	2	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	78	71	31	27
Magnesium	ppm	22	21	25	23
Zinc	ppm	114	66	101	78
Phosphorus	ppm	1078	1009	947	871
Barium	ppm	0	0	0	<1
Boron	ppm	143	139	22	39

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: 10872530
Signed: Don Baldrige
Report Date: 12 Feb 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

