



CONSTRUCTION EQUIPMENT

VOLVO EC480EL 314981 - RIGHT SWING DRIVE



Sample No: VCP433871
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP433871	VCP369464	VCP405908	VCP402275
Sample Date	23 Oct 2023	07 Aug 2023	07 Jun 2023	22 Mar 2023
Machine Hours	2416	1929	1475	982
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	134	138	139	168
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CONTAMINATION

Silicon	ppm	7	20	9	23
Sodium	ppm	2	0	1	<1
Potassium	ppm	<1	1	<1	0



WEAR METALS

Iron	ppm	65	157	95	222
Copper	ppm	8	27	13	32
Lead	ppm	0	<1	<1	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	<1	2	<1	3
Chromium	ppm	<1	2	2	3
Molybdenum	ppm	<1	4	2	<1
Nickel	ppm	<1	0	<1	0
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	3	2	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	36	32	20	22
Magnesium	ppm	32	26	18	<1
Zinc	ppm	67	108	55	9
Phosphorus	ppm	876	1139	836	367
Barium	ppm	0	4	0	0
Boron	ppm	50	41	28	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.

Depot: SAIBIR
Unique No: 10723045
Signed: Don Baldrige
Report Date: 01 Nov 2023



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GRAPHS

