



CONSTRUCTION EQUIPMENT

SWO-067478 VOLVO EC380EL 310443 - SWING DRIVE



Sample No: VCP445783
Oil Type: NOT GIVEN
Job No: SWO-067478



SAMPLE INFORMATION

Sample Number	VCP445783	VCP395114	VCP387977	VCP366790
Sample Date	08 Nov 2023	14 Feb 2023	08 Nov 2022	19 Jul 2022
Machine Hours	10940	10082	9587	9113
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	SEVERE	SEVERE	SEVERE	SEVERE

WHITAKER CONTRACTING

692 CONVICT CAMP RD
 GUNTERVILLE, AL
 US 35976
 Contact: BROTHER WHITAKER
 BrotherWhitaker@whitaker-contracting.com
 T: (256)298-3905
 F:



OIL CONDITION

Visc @ 40°C	cSt	465	426	361	388
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CONTAMINATION

Water	%	14.3	9.72	2.62	13.4
Silicon	ppm	16	16	8	19
Sodium	ppm	0	0	0	2
Potassium	ppm	2	2	0	9

Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.



WEAR METALS

Iron	ppm	145	199	126	388
Copper	ppm	18	18	11	36
Lead	ppm	1	2	1	<1
Tin	ppm	6	4	1	<1
Aluminum	ppm	4	3	2	4
Chromium	ppm	2	4	2	8
Molybdenum	ppm	<1	2	2	7
Nickel	ppm	<1	<1	<1	3
Titanium	ppm	<1	<1	0	<1
Silver	ppm	0	<1	<1	<1
Manganese	ppm	3	4	3	10
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	75	72	69	111
Magnesium	ppm	20	11	9	68
Zinc	ppm	73	68	32	120
Phosphorus	ppm	918	900	866	1103
Barium	ppm	0	0	0	0
Boron	ppm	107	134	143	198

Depot: WHIGUN
Unique No: 10749056
Signed: Doug Bogart
Report Date: 19 Nov 2023



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GRAPHS

