



CONSTRUCTION EQUIPMENT

297630 VOLVO EC480EL 3 10354 - SWING DRIVE



Sample No: VCP427025
Oil Type: GEAR OIL SAE 80W90
Job No: 297630



SAMPLE INFORMATION

Sample Number	VCP427025	VCP271790	VCP262618	VCP224815
Sample Date	28 Jun 2023	27 Aug 2020	01 Dec 2019	10 May 2019
Machine Hours	6940	3400	2920	2334
Oil Hours	0	0	1000	500
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	NORMAL	ATTENTION	NORMAL	NORMAL

SENECA MEADOWS

1786 SALCMAN ROAD
 WATERLOO, NY
 US

Contact: EDWARD BARTO
 ebarto@iesi.com
 T: (315)539-5624
 F: (315)539-4656



OIL CONDITION

Visc @ 40°C	cSt	133	▲ 55.5	218	298
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CONTAMINATION

Silicon	ppm	5	2	14	7
Sodium	ppm	0	3	2	2
Potassium	ppm	<1	7	9	0



WEAR METALS

Iron	ppm	79	15	132	69
Copper	ppm	4	2	7	6
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	2	<1	2	2
Chromium	ppm	<1	<1	3	2
Molybdenum	ppm	0	<1	0	0
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	<1	0	0	<1
Manganese	ppm	1	<1	2	1
Vanadium	ppm	0	0	<1	<1



ADDITIVES

Calcium	ppm	9	26	17	12
Magnesium	ppm	0	4	2	3
Zinc	ppm	3	12	9	13
Phosphorus	ppm	1152	2215	879	886
Barium	ppm	0	0	<1	<1
Boron	ppm	219	253	143	135

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

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: SENWAT
Unique No: 10546437
Signed: Wes Davis
Report Date: 06 Jul 2023



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GRAPHS

